

STEPHEN L. CLARKE

Senior Associate Dean for Research, Graduate Studies, and Faculty Affairs
College of Education and Human Sciences
Oklahoma State University

EDUCATION

2005 – 2007	Postdoctoral Fellowship, Molecular Cardiology University of Texas Southwestern Medical Center, Dallas, TX
1997 – 2004	Doctor of Philosophy (Ph.D.), Nutritional Sciences University of Wisconsin-Madison, Madison, WI
1995 – 1996	Master of Science (M.S.), Nutritional Sciences University of Oklahoma Health Sciences Center, Oklahoma City, OK
1990 – 1994	Bachelor of Science (B.S.), Nutritional Sciences University of Oklahoma Health Sciences Center, Oklahoma City, OK

PROFESSIONAL EXPERIENCE

Oklahoma State University College of Education and Human Sciences Office of Research and Graduate Studies

Senior Associate Dean for Research, Graduate Studies, and Faculty Affairs (2022 – Present)

Duties and Responsibilities

Leadership and Visioning

- Serve as the college's primary liaison to research units within the university and external funding agencies, strategically advocating for research initiatives that align with the university and college vision and goals
- Champion the integration of research with OSU's land-grant mission and provide insightful guidance to the Dean, Vice President for Research, and other senior administrators on matters related to research and creative activity within the college
- Collaborate with faculty to develop programs and initiatives that enhance the research profile and increase the research productivity of the college
- Create opportunities for increased funding and expansion of full-time doctoral research assistantships and fellowships, position the college for growth in graduate education, enrollment, and research
- In collaboration with academic units and the Graduate College, maximize existing degree offerings and create new graduate degree and certificate programs that meet key workforce demands

- Oversee faculty requirements for advising and mentoring graduate students, promote graduate student professional development and mentoring opportunities, and administer the college's scholarship and fellowship program for graduate students

Mentoring

- Establish and maintain an active three-year orientation program for career-track and tenure-track faculty to foster a culture of research, innovation, and creativity in the college
- Serve as a research mentor for college faculty, providing guidance and support for their scholarly pursuits
- Establish an ongoing professional development program for academic unit administrators to grow awareness of university priorities, initiatives, and policies
- Coordinate and manage the college's faculty and graduate student award processes, actively promoting the submission of nominations for college, university, and other national-level awards

Administrative

- Collaborate with the college Leadership Team to ensure that college processes and guidelines align with university policies and procedures
- As appropriate, facilitate the creation of college-specific processes and guidelines related to research and graduate education
- Collaborate with the Dean and OSU Foundation to facilitate the appointment and renewal of endowed positions in the college
- Oversee the college's Reappointment, Promotion, and Tenure process, ensuring its adherence to university policies
- Manage processes related to faculty and graduate student grievances and termination
- Direct and supervise the college's sponsored programs staff, ensuring the efficient preparation and timely submission of funding proposals and compliance with research and agency requirements
- Direct and supervise the college Graduate Student Services Manager

Financial

- Responsible for overseeing and managing a budget of \$4,000,000
- Administer all research start-up funds and research incentives for new and established faculty
- Coordinate and administer internal research funding programs for the college
- Coordinate and administer funding provided to the college by the Oklahoma Agricultural Experiment Station
- Coordinate and administer funding for endowed positions in the college
- Guide unit administrators on faculty time and effort on funded research endeavors and collaborate with the college business office on post-award grant management and administration

Key Accomplishments:

- Created and implemented the Innovative Scholarship Promoting Interdisciplinary Research and Education (InSPIRE) and InSPIRE-STEM programs (\$1,300,000)
- Established an internal award competition for Oklahoma Agricultural Experiment Station funding (\$350,000)
- Established a college-wide systematic and unified approach to Reappointment, Promotion, and Tenure processes for all academic units (over 80 actions since 2022)

- Created and implemented a three-year professional development program (LAUNCH) for new faculty in the college (55 participants since 2022)
- Created and implemented an on-going professional development program for unit administrators in the college
- Revised college guidelines for research incentives, engaging in outside professional activities, graduate teaching assistants and graduate research assistants, and research space allocation
- Implemented digital routing system for internal research funding, faculty and graduate student awards, and graduate student scholarships and fellowships
- Provided innovative graduate student professional development opportunities to enhance competitiveness for post-graduate employment
- Coordinated and implemented recurring sponsored program workshops
- Revised and simplified the college processes for awarding and administering endowed positions in the college (33 endowed positions)
- Revised process for college establishing named college laboratories and centers
- Assisted with implementing the college process for Academic Program Reviews
- In collaboration with the college business office, established college process for new and existing position requests from initial approval through hiring

Oklahoma State University College of Education and Human Sciences

Department of Nutritional Sciences

Head (2018 - 2022)

Interim Head (2017)

Duties and Responsibilities:

Leadership and Visioning

- Provide authentic and transparent leadership to the department so that faculty and staff understand the financial and operational drivers of success
- Provide leadership in developing and implementing operational action plans to meet the strategic goals and objectives of the department, college, and university
- Promote research collaborations and fosters development and maintenance of community partnerships
- Facilitate a culture of inclusion within the department and strives to recruit and retain culturally diverse faculty, staff, and students
- Represent department and college at official department and college events, recruiting activities, and campus wide functions
- Consult with and provide advice and counsel to the college administration on issues related to student success, supporting faculty, communicating departmental priorities, and ensuring that resources are effectively utilized in support of the departmental and college strategic initiatives
- Serve as a liaison among students in the department, the faculty, and other administrators

Mentoring

- Contribute to the development and maintenance of a healthy learning and working environment for faculty, staff, and students
- Foster interpersonal and professional relations among Department faculty
- Counsel and guide faculty encouraging instructional excellence, high-quality research, and extension/outreach activities
- Promote and support faculty, staff, and student professional development

- Conduct appraisal for recommending reappointments, tenure, promotion, contract renewal, and salary adjustment

Administrative

- Ensure that program quality and accreditation standards are maintained
- Direct reports include Administrative Associate, Administrative Assistant, Laboratory Coordinator, Laboratory Technician, 24 Faculty, and 20 Graduate Teaching Assistants
- Manage departmental facilities and instructional resources
- Manage administrative routines such as expenditures and course scheduling
- Review and revise position descriptions, staff responsibilities, and position announcements
- Convey university and college policies, procedures, and actions to the department
- Facilitate program development through collaboration, and implementing progressive programs that align faculty perspectives with department and college priorities or strategic initiatives
- Support the activities of faculty with appointments in Cooperative Extension
- Represent the department within the university and with off-campus organizations and stakeholders
- Support and promote extension, outreach, and community engagement activities

Financial

- Partner with OSU Foundation to match passions with priorities or other strategic initiatives in the department and/or college
- Forecast, allocate, and manage a ~\$2.5 million annual budget
- Oversee research budgets in excess of ~\$4 million annually

Key Accomplishments:

- Led department through a facilitated visioning process and the (1) operationalization of recruitment and retention activities, (2) examination of approaches to increase research productivity and visibility, (3) creation of a center concept to increase visibility of research in the area of Public Health Nutrition, and (4) incorporation of more case-study based activities into the undergraduate curriculum
- Developed and implemented a new online degree program (B.S. in Nutritional Sciences; Public Health Nutrition option)
- Increased number of GTA positions in the Department; 100% of Ph.D. students supported through assistantships
- In coordination with the Office of Research and Graduate Studies in the college, successfully acquired over \$300,000 in start-up funds for new faculty members through the Office of the Vice-President for Research
- Supported and promoted faculty and student participation in the Louis Stokes Access for Minority Participation (LSAMP) program administered through the Office of Institutional Diversity
- Continued to promote faculty and student participation in undergraduate research scholar programs
- Worked with department faculty to operationalize recruitment and retention activities, examine approaches to increase research productivity, increase visibility of research in the area of Public Health Nutrition, and incorporate more case-study based activities into the undergraduate curriculum
- Worked with department faculty to revise faculty and students recruiting practices and establish a departmental process for sabbaticals
- Supported programs in continued accreditation
- Promoted an environment and culture that recognizes the diversity of faculty-led scholarly activities from basic science research to Cooperative Extension and community-engaged research

Associate Head (2016 – 2017)

Duties and Responsibilities:

Leadership

- Undertook or developed department initiatives at the request of, or with the approval from, the Head
- Assisted with department-related meeting/recruitment event planning
- Assisted in the recruitment of quality faculty, staff, and students for programs within the department
- Assisted identifying problems and developing solutions for issues central to the department's instruction, research, and extension/engagement missions
- Assisted with the development, implementation, and review of the department operating budget

Administrative

- Served as a liaison among students of the department, the faculty, and other administrators as needed
- Assisted with the examination, assessment, and maintenance of physical facilities of the department, including equipment, supplies, space, and laboratory facilities. If needed, worked with staff to request facility maintenance or services
- Consulted with department faculty when writing position descriptions
- Coordinated the operation of department search and screen committees
- Assisted with department and college committee assignments

Curricular

- Assisted with faculty teaching assignments, course scheduling, room assignments, graduate teaching assistant assignments, course releases, faculty advising assignments, and sabbatical requests
- Assisted with activities related to accreditation, program review, or assessments required by the department
- Assisted, in coordination with the department curriculum committee, with curriculum review, revision, and/or development
- Assisted, in coordination with the department curriculum committee, with the maintenance, revision, and/or development of course descriptions, course action forms, and program descriptions

Oklahoma State University College of Education and Human Sciences, Stillwater, OK
Department of Nutritional Sciences

2017 - present	Professor
2012 - 2017	Associate Professor
2007 - 2012	Assistant Professor

University of Texas Southwestern Medical Center, Dallas, TX
Department of Physiology

2005 - 2007	NIH Postdoctoral Fellow, Molecular Cardiology
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University of Wisconsin-Madison College of Agriculture and Life Sciences, Madison, WI
Department of Nutritional Sciences

1997 - 2004	Graduate Research Assistant
1999 - 2001	NIH Pre-doctoral Fellowship

University of Oklahoma Health Sciences Center College of Allied Health, Oklahoma City, OK
Department of Nutritional Sciences

1997	Adjunct Assistant Professor
1995 - 1997	Graduate Research Assistant

Oklahoma Medical Research Foundation, Oklahoma City, OK
Department of Immunobiology and Cancer

1996 - 1997	Research Assistant
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PROFESSIONAL DEVELOPMENT AND LEADERSHIP TRAINING

2024	OSU Academic Leadership Series
2024	Council for Advancement and Support of Education: <i>Development for Deans and Academic Leaders</i>
2021	Association of Nutrition Departments and Programs/Council of Food Science Administrators: <i>Unit-level Strategies for Advancing Diversity, Equity, and Inclusion</i> (presented by Matthew L. Ouellett, Executive Director, Center for Teaching Innovation, Cornell University)
2021	Chronicle of Higher Education, <i>Hiring for Diversity: A Primer for Department Chairs</i>
2021	American Council on Education (ACE Engage), <i>Taking Action on Race and Ethnicity in Higher Education: Faculty and Staff Diversity</i> (presented by Kimberly Griffin and Andy Brantley)
2021	American Council on Education (ACE Engage), <i>Equity-Minded Faculty Workloads by Design</i> (presented by KerryAnn O'Meara, Dawn Culpepper, Joya Misra, and Audrey J. Jaeger)
2020	Reach Higher Summit 2020 - Supporting Underserved Students by Strengthening Equity in Oklahoma Webinar Series: <i>Equity First</i> (Dr. Danette Howard, LUMINA Foundation); <i>(Re)Imagining and (Re)Conceptualizing Student Success for Black Students in Higher Education: How Coded Academic Language Creates Barriers for Students of Color</i> (Dr. Rodney Bates, University of Oklahoma)
2020	LEAD21 Alumni Association Webinar Series: <i>Higher Ed's Reckoning with Race - A conversation about bigotry, diversity, and opportunity</i>
2020	LGBTQ Safe Zone Training, Irissa Baxter, Office of Multicultural Affairs, Oklahoma State University, Stillwater, OK (Virtual Training, 11/5/2020)
2019 - 2020	LEAD21 (Class 15), Leadership for the 21 st Century, Washington, D.C.
2018 - 2019	Master Executive Training Program, Magellan Executive Partners, Oklahoma City, OK
2018 - 2019	Fellow, Academic Fellows Leadership Academy, Educators' Leadership Academy, Edmond, OK
2018	Crisis Media Training (Gooden Group), Oklahoma State University, Stillwater, OK
2017 - 2018	Academic Fellows Leadership Academy, Educators' Leadership Academy, New Programs and Continuous Improvement, Understanding the Basis of Accountability, Communication and Cultural Climate, and Managerial/Organizational Skills Related to Strategic Planning and Budgeting, Edmond OK
2017	Leadership in Higher Education Annual Conference, Baltimore, MD
2016 - 2017	Academic Leadership Academy, Oklahoma State University, Stillwater, OK
2016	Dealing with Difficult People Conflict Resolution Workshop, Fred Pryor Seminars, OKC, OK
2016 - 2017	Educator's Leadership Academy, Edmond, OK

2015	Professional Fundraising for Academic Leaders at OSU, Stillwater, OK
2014	Dannon Mid-Career Nutrition Leadership Institute, Geneva, IL

ACADEMIC LEADERSHIP ACTIVITIES

2025	OSU New Heads Orientation: Hard Conversations
2024 - Present	OSU Higher Learning Commission Reaffirmation Committee
2024	OSU Early Career Workshop: Documenting Effectiveness
2024	OSU Academic Leadership Series Workshop: Conflict and Conversation
2024	Data Collection Task Force, ANDP
2023 - 2024	Chair, Faculty Athletics Representatives, Big 12 Conference
2023 - Present	OSU New Faculty Orientation: Setting a Research Agenda in STEM
2022	OSU Academic Leadership Series Workshop: Managing Conflict
2021 - 2024	Board Member, Association of Nutrition Departments and Programs (ANDP)
2021	Associate Dean for Extension (CEHS) Search and Screen Committee
2021	OSU Pandemic/Endemic Planning Task Force Co-Chair
2021	OSU Chief Information Officer Search Committee
2021	OSU Athletics Name, Image, and Likeness Working Group
2020 - 2023	OSU Athletics Diversity and Inclusion Council
2020	University Animal Veterinarian Search Committee
2019 - 2020	External Program Reviewer, University of Nevada-Reno and UNC-Greensboro
2019 - 2021	Chair, College of Education and Human Sciences Steering Committee
2019 - 2021	Co-Chair, Wranglers Recruitment and Retention Growth Initiative
2018	Assistant Vice-President/Chief Human Resources Officer Search Committee
2018	Assistant Vice-President for Enrollment Management Search Committee
2017 - Present	OSU NCAA Faculty Athletics Representative
2017 - 2018	Academic Leadership Academy Panelist (Supervising & Working with Faculty)
2017	Invited Participant, Vision 2028 Summit, American Society for Nutrition
2016 - 2017	General Education Advisory Council
2016 - 2018	Cowboy Way Campaign Executive Committee, OSU Foundation
2015 - 2017	OSU Grade Appeals Board
2015 - 2016	Chair, OSU Faculty Council
2015 - 2021	Chair, OSU Healthcare and Wellness Committee
2015	Presenter, ITLE Graduate Teaching Assistant Conference
2014 - 2015	President, Sigma Xi, Chapter 101 (OSU)
2013 - Present	OSU Retirement Investment Committee
2013 - Present	OSU Admissions Holistic Admission External Review Committee
2013 - 2017	Faculty Teaching Fellow, College of Human Sciences
2013 - 2016	Secretary, Group I Graduate Faculty
2013 - 2014	Vice-President for Research Animal Use and Care Working Group
2013	Co-Chair, NIH Center for Scientific Review (Genes, Genomes, and Genetics)
2013	ITLE Associate Director Search and Screen Committee
2012 - 2014	Chair, College of Human Sciences Faculty Advisory Council
2012	Member, NIH Center for Scientific Review (Endo., Metabolism, and Nutrition)
2011 - 2014	Chair, OSU Faculty Council Retirement and Fringe Benefits Committee

HONORS AND AWARDS

2025	OSU, Graduate Education Champion
2024	OSU, Outstanding University Service Award
2017	OSU, Mortar Board Honor Society, Golden Torch Award
2016	Outstanding Dietetics Educator in a DPD Program in Region 4 (OK/TX/NM/AZ/UT/KS/CO) Nutrition and Dietetic Educators and Preceptors, Academy of Nutrition and Dietetics
2016	OSU, College of Human Sciences, Outstanding Graduate Mentor/Advisor Nominee
2015	OSU, University Service Award Nominee
2015	American Library Association Excellence in Library Programming Award, OSU Library and OSU Chapter of Sigma Xi Scientific Research Society, <i>"Oil and Gas Drilling and Hydraulic Fracturing"</i>
2015	OSU, College of Human Sciences Faculty Spotlight Award in Nutritional Sciences
2014 - 2016	OSU, College of Human Sciences Regents Distinguished Teaching Award Nominee
2014 - 2015	Association of Public and Land-Grant Universities Food and Agricultural Sciences Excellence in College and University Teaching Award (U.S. Professors of the Year) Nominee
2013	Oklahoma Foundation for Excellence Nominee
2013	OSU, Regent's Distinguished Teaching Award Recipient
2012	OSU, Mortar Board Honor Society, Golden Torch Award
2012	Oklahoma State University, College of Human Sciences, Outstanding Graduate Mentor/Advisor Nominee
2012	OSU, College of Human Sciences, Faculty Member of the Month (February)
2011	OSU, College of Human Sciences, Marguerite Scruggs Award for Early Career Meritorious Research
2011	OSU, College of Human Sciences, Outstanding Academic Advising Award Nominee
2011	Extension Communications Reward, The American Society for Horticultural Sciences - Southern Region, Stafne E (ed.), Carroll B, Clarke S, Holcomb R, Lake C, Lucas E, Kenkel P, Kizer M, McCraw D, McGlynn W, Mulder P, Peterson S, Sahs R, Smith B, Smith D, von Broembsen S, Willoughby C, Zhang H, <i>"Handbook of Oklahoma Vineyard Establishment and Management"</i> , 2010 Oklahoma State University
2010	OSU, College of Human Sciences, Outstanding Graduate Mentor/Advisor Nominee
2010	OSU, Mortar Board Honor Society, Golden Torch Award
2009	OSU, College of Human Sciences Outstanding Graduate Mentor/Advisor Nominee
2009	OSU, College of Human Sciences Outstanding Advisor Award
2009	OSU, Award for Excellence in Advisement
2009	OSU, Institute for Teaching and Learning Excellence Early Career Faculty Development Certificate
1997	Dean's Award for Distinguished Achievement by a Graduate Student, College of Allied Health, Department of Nutritional Sciences, University of Oklahoma Health Sciences Center, Oklahoma City, OK
1997	Outstanding Graduate Student Award, Department of Nutritional Sciences, College of Allied Health, University of Oklahoma Health Sciences Center, Oklahoma City, OK
1997	Outstanding Instructor Nominee, College of Allied Health, Department of Nutritional Sciences, University of Oklahoma Health Sciences Center, Oklahoma City, OK

RESEARCH

GRANTSMANSHIP

Previously Funded Proposals (PI or Co-PI: \$1,229,698; Total: \$3,986,367)

1. Chohanadisai W, Lin D, **Clarke SL**, Montgomery, Smith BJ, and Lucas EA. Funding Source (External): USDA/NIFA. *Improved microscopy system and live-cell imaging: assessing impact of bioactive food components on inflammation and gastrointestinal health*. Amount: \$50,000. Duration: 2018 – 2019.
2. Chohanadisai W, Lin D, **Clarke SL**, and Lucas EA. Funding Source (Internal): Oklahoma Agricultural Experiment Station. *Role of ZIP12 in preventing mitochondrial dysfunction and neurodegenerative disorders*. Amount: \$90,000. Duration: July 2017 – June 2019.
3. Lin D, **Clarke SL**, Chohanadisai W, Narasaraaju T, and Liu L. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology (HR17-114). *BCO2 in acute respiratory distress syndrome*. Amount: \$135,000. Duration: October 2017 – September 2020.
4. Lin D, **Clarke SL**, Lucas EA, Smith BJ, and Park Y. Funding Source (Internal): Oklahoma Agricultural Experiment Station. *Peach and bioactive polysaccharides protect gut microbiota against diabetes*. Amount: \$80,000. Duration: July 2017 – June 2019.
5. Lloyd P (PI), **Clarke SL** (Co-PI), Payton M, and Hinsdale M. Funding Source (External): NIH (2R56HL084494-06A1). *Regulation of placenta growth factor by hemodynamics and reactive oxygen species*. Amount: \$361,738. Duration: October 2016 – September 2018.
6. Chohanadisai W, **Clarke SL**, and E. Scarr. Funding Source (External): Oklahoma Center for the Advancement of Science (HR16-060). *Regulation of ZIP12: A Candidate Gene for Neurodevelopmental Disorders*. Amount: \$135,000. Duration: July 2016 – June 2019.
7. **Clarke SL**, Smith BJ, Lucas EA, and Ho E. Funding Source (Internal): Oklahoma Agricultural Experiment Station (OKL02991). *Role of garlic in decreasing cardiovascular disease risk by promoting reverse-cholesterol transport*. Amount: \$100,303. Duration: July 2015 – June 2017.
8. Smith BJ, Lucas EA, **Clarke SL**, and Rohla C. Funding Source (Internal): Oklahoma Agricultural Experiment Station (OKL02994). *Gut Immunomodulating Properties of Phenolic Compounds in Oklahoma Grown Pecans: Potential Health and Economic Impact*. Amount: \$114,789. Duration: July 2015 – June 2017.
9. Lucas EA, Smith BJ, DeSilva U, Dunford N, **Clarke SL**, and Lin D. Funding Source (Internal): Oklahoma Agricultural Experiment Station (OKL02993). *Effect of wheat germ oil (WGO) from Oklahoma Red Wheat on inflammation, gut integrity, and microbial population in obese mice*. Amount: \$93,974. Duration: July 2015 – June 2017.
10. Lin D, **Clarke SL**, Hildebrand D, Lucas EA, and Smith BJ. Funding Source (Internal): Oklahoma Agricultural Experiment Station (OKL02992). *β - β -carotene 9',10'-oxygenase 2 impacts hepatic mitochondrial function in obesity*. Amount: \$87,876. Duration: July 2015 – 2017.
11. Lin D and **Clarke SL**. Funding Source (Internal/External): Oklahoma Center for Respiratory and Infectious Diseases COBRE Pilot Project Grant (5P20GM103648). *BCO2 in influenza virus pneumonia*. Amount: \$25,000 (OSU) and \$36,450 (NIH). Duration: July 1 – June 2017.
12. Lin D, **Clarke SL**, Lucas EA, Smith BJ, and Ramanathan R. Funding Source (External): USDA/NIFA/CREES (2015-678018-23176). *Egg xanthophylls prevent chronic inflammation in type 2 diabetes*. Amount: \$149,998. Duration: May 2015 – April 2017.
13. Smith BJ, Lucas EA, **Clarke SL**, DeSilva U, Payton M, and Lightfoot S. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology (HR14-126-2); *Food-derived Bioactive Components and the Gut as a Therapeutic Target for Osteoporosis*. Amount: \$135,000. Duration: July 2014 – June 2017.

14. **Clarke SL** and Lin D. Funding Source (Internal): OSU College of Human Sciences Laboratory and Research Program for Equipment, Software, and Databases; *PhenoMaster Physiological and Behavioral Lab Animal Monitoring System*. Amount: \$68,359 (\$34,180 match by NSCI). Duration: 2015.
15. Lucas EA and **Clarke SL**. Funding Source (Internal): OSU College of Human Sciences Laboratory and Research Program for Equipment, Software, and Databases; *The Bio-Plex MAGPIX Multiplex Reader*; Amount: \$24,000. Duration: 2014.
16. Lucas EA, Smith BJ, Perkins-Veazie P, **Clarke SL**, DeSilva U, Lightfoot SL, and Payton ME. Funding Source (External): National Mango Board. *Understanding how mango affects glucose homeostasis in type 2 diabetes*. Amount: \$110,320. Duration: January 2014 – June 2016.
17. Lucas EA, Smith BJ, Perkins-Veazie P, **Clarke SL**, DeSilva U, Lightfoot SL, and Payton ME. Funding Source (External): National Mango Board. *Mango Supplementation will Improve Glucose Response and Clinical Parameters of Pre-diabetic Subjects*. Amount: \$183,368. Duration: June 2012 – June 2016.
18. **Clarke SL**, Gimble JM, Lucas EA, and Smith BJ. Funding Source (Internal): Oklahoma Agricultural Experiment Station; *Impact of Iron Status on Circadian Rhythm and Obesity*. Amount: \$82,000. Duration: July 2013 – June 2015.
19. Smith BJ, Lucas EA, **Clarke SL**, Hermann J, Hildebrand D, and Lightfoot S. Funding Source (Internal): Oklahoma Agricultural Experiment Station; *Do Gut-mediated Benefits of Fruits and Vegetables Prevent Obesity and its Detrimental Effects on Bone?* Amount: \$96,000. Duration July 2013 – June 2015.
20. Smith BJ, Lucas EA, **Clarke SL**, DeSilva U, and Lightfoot S. Funding Source (External): Cherry Marketing Institute. *Osteoprotective Effects of Tart Cherries Phase II: Mechanisms of Action*. Amount: \$50,000. Duration: December 2013 – November 2015.
21. Lucas EA, Dunford N, Smith BJ, and **Clarke SL**. Funding Source (Internal): Oklahoma Agricultural Experiment Station; *Anti-inflammatory properties of wheat germ oil (WGO) formulations developed at Oklahoma State University*. Amount: \$82,000. Duration: August 2012 – July 2014.
22. Lucas EA, Smith BJ, **Clarke SL**, Stoecker BJ, Perkins-Veazie P, and Lightfoot S. Funding Source: (External): National Watermelon Board. *A pilot test of watermelon to prevent bone loss in ovariectomized mice, a model of osteoporosis in post-menopausal women*. Amount: \$68,515. Duration: 2012 – 2014.
23. **Clarke SL**, Lucas EA, and Smith BJ. Funding Source (External): National Institutes of Health (R15 DK088721-01); *Molecular coordination of iron homeostasis by microRNAs*. Amount: \$436,143. Duration: April 2010 – September 2013.
24. Smith BJ, Lucas E, **Clarke SL** and Gimble J. Funding Source (External): Oklahoma Center for the Advancement of Science & Technology (HR10-068); *Dysregulation of Bone Metabolism with Type 2 Diabetes*. Amount: \$135,000. Duration: August 2010 – July 2013.
25. Lucas EA, Smith BJ, Earnest S, Purdie R, Perkins-Veazie P, **Clarke SL**, and Payton ME. Funding Source (External): National Mango Board; *Mango supplementation will improve glucose response and clinical parameters of pre-diabetic subjects*. Amount: \$183,368. Duration: April 2011 - March 2013.
26. Lucas EA, Smith BJ, Earnest S, Purdie R, Perkins-Veazie P, **Clarke SL**, and Payton ME. Funding Source (External): National Mango Board; *A pilot study investigating the effects of mango supplementation on body composition and inflammatory markers of overweight individuals*. Amount: \$140,013. Duration: April 2011 - December 2012.
27. Lucas EA, Smith BJ, **Clarke SL**, Stoecker BJ, Perkins-Veazie P, and Lightfoot SA. Funding Source (External): National Mango Board; *Mango improves bone parameters in ovariectomized mice, a*

model of osteoporosis in postmenopausal women. Amount: \$70,415. Duration: April 2011 - December 2012.

28. Smith BJ, Lucas EA, **Clarke SL**, and Lightfoot S. Funding Source (External): Cherry Marketing Institute; *Osteoprotective Effects of Dietary Supplementation with Tart Cherries*. Amount: \$49,995. Duration: October 2011 - September 2012.
29. Smith BJ, Lucas EA, **Clarke SL** and Griffin T. Funding Source (Internal): Oklahoma Agricultural Experiment Station (OKL02795); *The Role of Exercise in the Prevention of Bone Metabolic Changes Associated with Diet-induced Obesity*. Amount: \$96,840. Duration: July 2010 - June 2011.
30. Smith BJ, Lucas EA, Kuvibidila S, **Clarke SL**, and Drevets D. Funding Source (External): California Dried Plum Board; *Alterations in immune function with dietary supplementation of dried plums*. Amount: \$14,782. Duration: June 2008.
31. Lucas EA, Perkins-Veazie P, Smith BJ, **Clarke SL**, Kuvibidila S, and Lightfoot SA. Funding Source (External): National Mango Board; *Effects of mango on bone parameters in high-fat diet-induced obesity*. Amount: \$25,016. Duration: October 2008 - December 2010.
32. Smith BJ, Hermann J, **Clarke SL**, Leyva M, Stephens L, Aston C, Baker M, and Taylor C. Funding Source (Internal): Oklahoma Agricultural Experiment Station (OKL02690); *Osteoporosis risk in Oklahoma Native American women: The role of inflammation and diabetes*. Amount: \$91,697. Duration: August 2008 - July 2010.
33. **Clarke SL**, Smith BJ, and Lucas EA. Funding Source (Internal): Oklahoma Agricultural Experiment Station (OKL02745); *Microarchitectural, structural, and cellular alterations in bone: Role of iron in maintaining optimal bone health*. Amount: \$75,000. Duration: August 2009 - July 2011.
34. **Clarke SL**, Lucas EA, and Smith BJ. Funding Source (External): United States Department of Agriculture (2008-35200-04445); *Common mechanisms controlling the response to iron and oxygen availability*. Amount: \$100,000. Duration: August 2008 - July 2011.
35. Kuvibidila S, Smith BJ, Lightfoot SA, **Clarke SL**, and Lucas EA. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology (HR09-147); *Effect of mushrooms on endothelin-1 secretion and cancer*. Amount: \$135,000. Duration: August 2009 - July 2011.

Education

1. **Clarke SL**. Funding Source (Internal): College of Human Sciences Technology Grant; *Development of nutrigenomics curricula*. Amount: \$6155. Duration: January 2008 - April 2008.

Outreach/Extension

1. Phelps J, Hermann J, Smith BJ, and **Clarke SL**. Funding Source (External): Oklahoma Nutrition Education - Food Stamp Program sub-grant: Oklahoma Department of Health and Human Services; *Developing core nutrition and physical activity messages impacting low-income older Oklahomans*. Amount: \$92,253. Duration: 2009-2011.

Proposals Submitted

1. Lin D, **Clarke SL**, Chowanadisai W, and Narasaraju T. Funding Source (External): NIH COBRE/OCRID. *BCO2 in influenza A virus pneumonia and acute respiratory distress syndrome*. Amount: \$61,450. Duration: July 2017 - June 2018.
2. Lin D, **Clarke SL**, Chowanadisai W, Lucas EA, Narasaraju T, Liu L, Lacombe V, and Xu J. Funding Source (External): American Heart Association (17AIREA3370074). *BCO2 in myocardial mitochondrial dysfunction during influenza virus infection*. Amount: \$154,000. Duration: July 2017 - June 2019.

3. Lin D, **Clarke SL**, Chowanadisai W, Lucas E, Narasaraju T, Liu L, and Xu J. Funding Source (External): NIH NHLBI (R15HL140509). *BCO2 in myocarditis during influenza virus infection*. Amount: \$449,585. Duration: November 2017 – October 2020.
4. Lin D, **Clarke SL**, Lucas EA, Smith BJ, and Ma J-X. Funding Source (External): OUHSC COBRE-Diabetes. *BCO2 in diabetic retinopathy*. Amount: \$60,000. Duration: 2017.
5. Lin D, **Clarke SL**, Lucas EA, and Smith BJ. Funding Source (External): OMRF COBRE. *BCO2 in influenza virus-induced heart failure*. Amount: \$60,000. Duration: 2017.
6. Chowanadisai W (PI), **Clarke SL** (Co-PI), Lin D, Smith BJ, Stoecker BJ, and Bettaieb A. Funding Source (External): NIH (R15-HD089120-01). *Role of zinc transporter ZIP12 in mouse development*. Amount: \$432,705. Duration: April 2017 – March 2020.
7. Lin D, **Clarke SL**, Chowanadisai W, Harasaraju T, and Liu L. Funding Source (External): Oklahoma Center for the Advancement of Science. β,β -carotene-9,10-oxygenase-2 in acute respiratory distress syndrome. Amount: \$135,000. Duration: July 2016 – June 2019.
8. Lloyd-Goodrick P, **Clarke SL**, and Payton M. Funding Source (External): NIH. *Regulation of placenta growth factor by hemodynamics and reactive oxygen species*. Amount: \$1,808,691. Duration: July 2016 – June 2021.
9. Smith BJ, Lucas EA, **Clarke SL**, DeSilva U, Payton ME, Dardick CD, DeJong TM, Scorza R, and Lightfoot SA. Funding Source (External): USDA-NIFA-AFRI Foundational Program. *The Gut's Role in the Skeletal Response to Dried Plum Phenolic Compounds*. Amount: \$500,000. Duration: October 2015 – September 2018.
10. Smith BJ, Lucas EA, Herman J, Perkins-Veazie P, Lin D, **Clarke SL**, and Lightfoot S. Funding Source (External): National Mango Board. *Potential Benefits of Mango on Sarcopenia and Type 2 Diabetes Risk Associated with Aging*. Amount: \$110,000. Duration: October 2015 – September 2017.
11. Lin D, **Clarke SL**, Lucas EA, and Smith BJ. Funding Source (External): American Diabetes Association; *A protective role of BCO2 in overnutrition-related insulin resistance*. Amount: \$345,000 (Submitted April 2015).
12. Lin D, **Clarke SL**, Lucas EA, Smith BJ, and Hartson S. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology; *BCO2 in mitochondrial dysfunction and obesity*. Amount: \$135,000 (Submitted March 2015).
13. Shaw J and **Clarke SL**. Funding Source (External): NIH/R15 AREA; *Characterization of a unique fish model to study H₂S homeostasis*. Amount: \$400,000 (Submitted January 2015).
14. **Clarke SL**, Lin D, Lucas EA, and Smith BJ. Funding Source (External): USDA-NIFA-AFRI Foundational Program; *Seahorse Xf24 Analyzer: Assessing Impact of Diet on Mitochondrial Function*. Amount: \$50,000 (Submitted May 2014).
15. **Clarke SL**, Sunkar R, Lucas EA, Smith BJ, and Dardick C. Funding Source (External): USDA-NIFA-AFRI Foundational Program; Exploring the role of food-derived miRNA in cross-kingdom gene regulation. Amount: \$500,000. Duration: September 2013 – August 2016. (Submitted February 2013).
16. Smith BJ, Lucas EA, DeSilva U, **Clarke SL**, Dardick C, DeJong T, and Scorza R. Funding Source (External): USDA-NIFA-AFRI Foundational Program; The gut's role in the skeletal response to dried plum polyphenols. Amount: \$500,000. Duration: September 2013 – August 2016. (Submitted February 2013).
17. Lucas EA, Smith BJ, Perkins-Veazie P, **Clarke SL**, Hermann J, and Payton ME. Funding Source (External): USDA-NIFA-AFRI Foundational Program; Mango will improve postprandial response in obese individuals. Amount: \$500,000. Duration: September 2013 – August 2016. (Submitted February 2013)
18. Sunkar R, Bukkapatnam S, **Clarke SL**, Doust A, Hoyt P, Kaundal R, Liu L, Mahalingam, Matts R, and Moss J. Funding Source (Internal): OSU Planning Grant for Creative Interdisciplinary Programs;

- Interdisciplinary Center for Epigenetics. Amount: \$50,000. July 2013 – June 2014. (Submitted February 2013).
19. Hermann J, Jung S, Parker S, Smith BJ, Brown B, Bishop A, Lucas EA, and **Clarke SL**. Funding Source (External): USDA Rural Health and Safety Education Competitive Grants Program; Journey through Health. Amount: \$73,633 (Submitted June 2012).
 20. Sunkar R and **Clarke SL**. Funding Source (Internal): OSU Interdisciplinary Planning Grant; Exploring the Role of miRNA in Cross-Kingdom Gene Regulation. Amount \$10,000. Duration August 2012 – July 2013 (Submitted April 2012).
 21. Lucas EA, Smith BJ, **Clarke SL**, Earnest S, Purdie R, Perkins-Veazie P, Payton M, and Purdie N. Funding Source (External): American Diabetes Association; Mango will improve glucose response and reduce body fat in type 2 diabetics. Amount: \$302,739. Duration: 2011 – 2013 (Submitted July 2010).
 22. Smith BJ, Halloran B, Lucas EA, Tom Wronski, **Clarke SL**. Funding Source (External): National Institutes of Health; Dried Plum and Osteoblast and Osteoclast Lineage Allocation. Amount: \$426,000. Duration: 2010 – 2012 (Submitted July 2010).
 23. Schwerdtfeger KL, **Clarke SL**, Shreffler K, and Ayers-Griffen C. Funding Source (External): March of Dimes; Maternal Trauma and Premature Birth: Exploring Physiological, Psychological, and Behavioral Predictors. Amount: \$256,513. Duration: 2010 – 2013 (Submitted July 2010).
 24. Lucas EA, Smith BJ, Earnest S, Purdie R, Perkins-Veazie P, **Clarke SL**, Payton M, Purdie. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology; Mango will improve glucose response in pre-diabetics. Amount: \$135,000. Duration 2010 – 2013 (Submitted March 2010).
 25. Smith BJ, **Clarke SL**, Lucas EA, Hoyt P, and Halloran B. Funding Source (External): National Institutes of Health; The impact of dried plum's phytochemicals on osteoblast and osteoclast lineage. Amount: \$440,815. Duration 2010 – 2013 (Submitted September 2009).
 26. Lucas EA, Smith BJ, **Clarke SL**, Perkins-Veazie P, Kuvibidila S, Lightfoot SA, and Payton M. Funding Source (External): United States Department of Agriculture; Mango will improve bone parameters in ovariectomized mice - a model of postmenopausal osteoporosis. Amount: \$353,120. Duration 2010 – 2013 (Submitted April 2009).
 27. Smith BJ, **Clarke SL**, Lucas EA, Kuvibidila S, and Stoecker BJ. Funding Source (External): United States Department of Agriculture; The Immunomodulating Role of Zinc in Age-related Bone Loss: Zinc and Bone Revisited. Amount: \$499,049. Duration: 2009 – 2012 (Submitted April 2009).
 28. Lucas EA, Smith BJ, **Clarke SL**, Perkins-Veazie P, Kuvibidila S, Lightfoot SA, and Payton M. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology, Oklahoma Health Research Project; Protective Effects of Mango in Diet-Induced Obesity. Amount: \$135,000. Duration 2009 – 2012 (Submitted February 2009).
 29. **Clarke SL**, Smith BJ, and Lucas EA. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology, Oklahoma Health Research Project; Molecular Coordination of Cellular Iron Homeostasis by miRNAs. Amount: \$135,000. Duration: 2009 – 2012 (Submitted February 2009).
 30. **Clarke SL**, Smith BJ, and Lucas EA. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology, New Investigator Oklahoma Health Research Project; Molecular Coordination of Cellular Iron Homeostasis by miRNAs. Amount: \$218,000. Duration: 2009 – 2012 (Submitted February 2009).
 31. Smith BJ, **Clarke SL**, Lucas EA, Kuvibidila S, Brackett DJ, Ertl W, Lerner MR, and Lightfoot SA. Funding Source (External): United States Department of Defense; Implications of Hypoxia on Bone

- and Role of Hypoxia Inducible Factors. Amount: \$1,020,428. Duration: 2009 – 2012 (Submitted June 2008).
32. Kuvibidila S, Smith BJ, Lightfoot S, **Clarke SL**, and Lucas EA. Funding Source (External): United States Department of Defense; Modulation of prostate tumor growth and metastasis by white button mushrooms through down-regulation of endothelin-1. Amount: \$550,062. Duration: 2009 – 2012 (Submitted June 2008).
 33. Lucas EA, Stafne ET, Tuggle D, Worrell V, Smith BJ, **Clarke SL**, Kuvibidila S, Perkins-Veazie P, Lightfoot SA, McBratney B, McGlynn W, and Payton ME. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology, EDGE Project; Investigating the anti-inflammatory and anti-obesity properties of Oklahoma Grapes. Amount: \$600,000. Duration: 2008 – 2011 (Submitted May 2008).
 34. Lucas EA, Stafne ET, Smith BJ, **Clarke SL**, Perkins-Veazie P, Lightfoot SA, and Payton ME. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology, Oklahoma Health Research Project; Cardiovascular health benefits of Oklahoma grapes. Amount: \$135,000. Duration: 2008 – 2011 (Submitted March 2008).
 35. Kuvibidila S, Smith BJ, Lightfoot S, **Clarke SL**, and Lucas EA. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology, Oklahoma Health Research Project; Effect of mushrooms on endothelin-1 secretion and cancer. Amount: \$135,000. Duration: 2008 – 2011 (Submitted March 2008).
 36. Kuvibidila S, Smith BJ, Lightfoot S, **Clarke SL**, and Lucas EA. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology, New Investigator Oklahoma Health Research Project; Effect of mushrooms on endothelin-1 secretion and cancer. Amount: \$300,000. Duration: 2008 – 2011 (Submitted March 2008).
 37. **Clarke SL**, Smith BJ, and Lucas EA. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology, Oklahoma Health Research Project; Molecular coordination of iron homeostasis by microRNAs. Amount: \$135,000. Duration: 2008 – 2011 (Submitted March 2008).
 38. **Clarke SL**, Smith BJ, and Lucas EA. Funding Source (External): Oklahoma Center for the Advancement of Science and Technology, New Investigator Oklahoma Health Research Project; Molecular coordination of iron homeostasis by microRNAs. Amount: \$300,000. Duration: 2008 – 2011 (Submitted March 2008).
 39. **Clarke SL**. Funding Source (Internal): Oak Ridge Associated Universities – Powe Award; Post-transcriptional regulation of cellular iron metabolism by microRNAs. Amount: \$10,000. Duration: 2008 – 2010 (Submitted January 2008).
 40. **Clarke SL**. Funding Source (Internal): Oklahoma Agricultural Research Station; Regulatory mechanisms coordinating mammalian iron homeostasis. Amount: \$10,000. Duration 2008 – 2010 (Submitted October 2007).

PUBLICATIONS

Refereed Publications (Underlined names denotes student contributors)

1. Fiddler JL and **Clarke SL**. *Evaluation of candidate reference genes for quantitative real-time PCR analysis in a male rat model of dietary iron deficiency*. Genes Nutr. 2021 Oct 2;16(1):17. DOI: 10.1186/s12263-021-00698-0. PMID: 34600467.
2. Davis DN, Strong MD, Chambers E, Hart MD, Bettaieb A, **Clarke SL**, Smith BK, Stoecker BJ, Lucas EA, Lin D, and Chowanadisai W. *A role for zinc transporter gene SLC39A12 in the nervous system and beyond*. Gene. 2021 Oct 5;799:145824. DOI: 10.1016/j.gene.2021.145824. PMID: 34252531.
3. Keirns BH, Hart SM, Sciarrillo CM, Poindexter KL, **Clarke SL**, and Emerson SR. *Postprandial Triglycerides, Flow-mediated Dilation, and the Inflammatory Cytokine Milieu in Metabolically Healthy Obesity: A Cross Sectional Study*. Obesity 2021 1(1), 58-71. DOI: 10.3390/Obesity101006.
4. Wu L, Lu P, Guo X, Song K, Lyu Y, Bothwell J, Wu J, Hawkins O, **Clarke SL**, Lucas EA, Smith BJ, Chowanadisai W, Hartson SD, Ritchey J, Wang W, Medeiros D, Li S, Lin D. *β -carotene oxygenase 2 deficiency-triggered mitochondrial oxidative stress promotes inflammation and metabolic disorders*. Free Radic Biol Med. 2021 Jan 13;164:271-284. DOI: 10.1016/j.freeradbiomed.2021.01.003. PMID: 33453359.
5. Garza KR, **Clarke SL**, Ho YH, Bruss MD, Vasanthakumar A, Anderson SA, and Eisenstein RS. *Differential translational control of 5' IRE-containing mRNA in response to dietary iron deficiency and acute iron overload*. Metallomics 202 Dec 23;12(12):2186-2198. DOI: 10.1039/d0mt00192a. PMID: 33325950.
6. Ojo B, Lu P, Alake SE, Keirns B, Anderson K, Gallucci G, Hart MD, Davila El-Rassi G, Ritchey J, Chowanadisai W, Lin D, **Clarke SL**, Smith BJ, and Lucas EA. *Pinto Beans Modulate the Gut Microbiome, Augment MHC II Protein and Antimicrobial Peptide Gene Expression in Mice fed a Normal or Western-Style Diet*. J Nutr Biochem 2020 Nov 1;88:108543. DOI: 10.1016/j.nutbio.2020.108543. PMID: 33144228.
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8. Wu L, Lyu Y, Srinivasagan R, Wu J, Ojo B, Tang M, El-Rassi GD, Metzinger K, Smith BJ, Lucas EA, **Clarke SL**, Chowanadisai W, Shen X, He H, Conway T, von Lintig J, and Lin D. *Astaxanthin-Shifted Gut Microbiota Is Associated with Inflammation and Metabolic Homeostasis in Mice*. J Nutr 2020 Oct 12;150(10):2687-2698. DOI: 10.1093/jn/nxaa222. PMID: 32810865.
9. Thompson LR, Oliveira TG, Hermann ER, Chowanadisai W, **Clarke SL**, and Montgomery MR. *Distinct TP53 Mutation Types Exhibit Increased Sensitivity to Ferroptosis Independently of Changes in Iron Regulatory Protein Activity*. Int J Mol Sci. 2020 Sep 15;21(18):E6751. DOI: 10.3390/ijms21186751. PMID: 32942535.
10. Strong MD, Hart MD, Tang TZ, Ojo BA, Nacke MR, Agidew WT, Hwang HJ, Hoyt PR, Bettaieb A, **Clarke SL**, Smith BJ, Stoecker BJ, Lucas EA, and Chowanadisai W. *Role of zinc transporter ZIP12 in susceptibility-weighted brain magnetic resonance imaging (MRI) phenotypes and mitochondrial function*. FASEB J. 2020 Jul 27. DOI: 10.1096/fj.202000772R. PMID: 32716562.
11. **Clarke SL**, Thompson LR, Dandekar E, Srinivasan A, and Montgomery MR. *Distinct TP53 Mutation Subtypes Differentially Influence Cellular Iron Metabolism*. Nutrients 2019 Sep 7;11(9):2144. DOI: 10.3390/nu1192144. PMID: 31500291.
12. French C, **Clarke SL**, Lucas EA, Smith BJ, Lightfoot S, and Kuvibidila. *The inhibitory properties of ethanol extracts of some culinary-medicinal mushrooms on the secretion of interleukin-8 and vascular*

- endothelial growth factor by PC3 cancer cells*. Int J Med Mushrooms. 2019;21(7):645-656. DOI: 10.1615/IntJMedMushrooms.2019031168. PMID: 31679299.
13. Smith BJ, Crockett EK, Chongwatpol P, Graef JL, **Clarke SL**, Rendina-Ruedy E, and Lucas EA. *Montmorency tart cherry protects against age-related bone loss in female C57BL/6 mice and demonstrates some anabolic effects*. Eur J Nutr. 2019 Dec;58(8):3035-3046. DOI: 10.1007/s00394-018-1848-1. Epub 2018 Oct 30. PMID: 30377814.
 14. Wu L, Guo X, Lyu Y, **Clarke SL**, Lucas EA, Smith BJ, Hildebrand D, Wang W, Medeiros DM, Shen X, and Lin D. *Targeted metabolomics reveals abnormal hepatic energy metabolism by depletion of β -carotene oxygenase 2 in mice*. Sci Rep 2017 Nov 7;7(1):14624. DOI: 10.1038/s41598-017-15222-x. PMID: 29116185.
 15. Ojo B, El-Rassi GD, Payton ME, Perkins-Veazie P, **Clarke S**, Smith BJ, and Lucas EA. *Mango supplementation modulates gut microbial dysbiosis and short-chain fatty acid production independent of body weight reduction in C57BL/6 mice fed a high-fat diet*. J Nutr. 2016 Aug;146(8):1483-91. DOI: 10.3945/jn.115.226688. Epub 2016 Jun 29. PMID: 27358411.
 16. Guo X, Wu L, Lyu L, Chohanadisai W, **Clarke SL**, Lucas EA, Smith BJ, He H, Wang W, Medeiros DM, and Lin D. *Ablation of β -carotene-9'-10'-oxygenase 2 remodels the hypothalamic metabolome leading to metabolic disorders in mice*. J Nutr Biochem 2017 Aug;46:74-82. DOI: 10.1016/j.jnutbio.2017.02.019. Epub 2017 Apr 12. PMID: 28482236.
 17. Wu L, Guo X, Hartson SD, Davis MA, He H, Medeiros DM, Wang W, **Clarke SL**, Lucas EA, Smith BJ, von Lintig J, and Lin D. *Lack of β -carotene-9', 10'-oxygenase 2 leads to hepatic mitochondrial dysfunction and cellular oxidative stress in mice*. Mol Nutr Food Res 2016 Dec 19 (Epub ahead of print); DOI: 10.1002/mnfr.201600576. PMID: 27991717.
 18. Rendina-Ruedy E, Graef JL, Lightfoot SA, Ritchey JW, **Clarke SL**, Lucas EA, and Smith BJ. *Impaired glucose tolerance attenuates bone accrual by promoting the maturation of osteoblasts: Role of Beclin-1-mediated autophagy*. Bone Rep 2016 Aug 8;5:199-207. DOI: 10.1016/j.bonr.2016.08.001. eCollection 2016 Dec. PMID: 28580387.
 19. Wu L, Guo X, Wang W, Medeiros DM, **Clarke SL**, Lucas EA, Smith BJ, and Lin D. *Molecular aspects of β -carotene-9'-10'-oxygenase 2 in carotenoid metabolism and diseases*. Exp Bio Med 2016. Epub 2016 July 7. DOI: 10.1177/1535370216657900. PMID: 27390265.
 20. Chongwatpol P, Rendina-Ruedy E, Stoecker BJ, **Clarke SL**, Lucas EA, and Smith BJ. *Implications of compromised zinc status on bone loss associated with chronic inflammation in C57BL/6 mice*. J Inflamm Res 2015 July 13;8:117-29. DOI: 10.2147/JIR.S82261. PMID: 26203271.
 21. Rendina-Ruedy E, Hembree KD, Sasaki A, Davis MR, Lightfoot SA, **Clarke SL**, Lucas EA, and Smith BJ. *A comparative study of the metabolic and skeletal response of C57BL/6J and C57BL/6N mice in a diet-induced model of type 2 diabetes*. J Nutr Metab 2015;2015:758080. DOI: 10.1155/2015/758080. Epub 2015 Jun 3. PMID: 26146567.
 22. Rendina-Ruedy E, Graef JL, Davis MR, Hembree KD, Gimble JM, **Clarke SL**, Lucas EA, and Smith BJ. *Strain differences in the attenuation of bone accrual in a young growing mouse model of insulin resistance*. J Bone Miner Metab. 2015 Jun 10. DOI: 10.1007/s00774-015-0685-z. PMID: 26058493.
 23. Bogale A, **Clarke SL**, Fiddler JL, Hambidge KM, and Stoecker BJ. *Zinc supplementation in a randomized controlled trial decreased ZIP4 and ZIP8 mRNA abundance in peripheral blood mononuclear cells of adult women*. Nutr Metab Insights. 2015 May 12;8:7-14. DOI: 10.4137/NMI.S23233 PMID: 26023281.
 24. Joray M, Yu TW, Ho E, **Clarke SL**, Stanga Z, Gebregeziabher I, Hambidge KM, and Stoecker BJ. *Zinc supplementation reduced DNA breaks in Ethiopian Women*. Nutr Res 2015 Jan;35(1):49-55. DOI: 10.1016/j.nutres.2014.10.006. Epub 2014 Oct 16. PMID: 25491347.

25. Evans SE, Meister M, Mahmood M, Eldoumi H, Peterson S, Perkins-Veavie P, **Clarke SL**, Payton M, Smith BJ, and Lucas EA. *Mango supplementation improves blood glucose in obese individuals*. Nutr Metab Insights, 2014 Aug 28; 7:77-84. DOI: 10.4137/NMI.S17028. PMID: 25210462.
26. Smith BJ, Graef JL, Wronski TJ, Rendina E, Williams AA, Clark KA, **Clarke SL**, Lucas EA, and Halloran BP. *Effects of dried plum supplementation on bone metabolism in adult C57BL/6 male mice*. Calcif Tissue Int, Dec 20, 2013. DOI: 10.1007/s00223-013-9819-2. PMID: 24357047.
27. Smith BJ, Bu SY, Wang Y, Rendina E, Lim YE, Marlow D, **Clarke SL**, Cullen DM, PhD; and Lucas EA. *A Comparative Study of the Bone Metabolic Response to Dried Plum Supplementation and PTH Treatment in Adult, Osteopenic Ovariectomized Rat*. Bone 2014 Jan;58:151-9. Epub 2013 Oct 11. DOI: 10.1016/j.bone.2013.10.005. PMID: 24125756.
28. Davis MR and **Clarke SL**. *Influence of microRNA on the Maintenance of Human Iron Metabolism*. Nutrients 2013; 5:2611-2628. DOI: 10.3390/nu5072611. PMID: 23846788.
29. Rendina E, Hembree KD, Davis MR, Marlow D, **Clarke SL**, Halloran BP, Lucas EA, and Smith BJ. *Dried plum's unique capacity to reverse bone loss and alter bone metabolism in postmenopausal osteoporosis model*. PLoS One 2013;8(3):e60569. Epub 2013 Mar 29. DOI: 10.1371/journal.pone.0060569 PMID: 23555991.
30. Chandra LC, Traore D, French C, Marlow D, D'Offay J, **Clarke SL**, Smith BJ, and Kuvibidila S. *White button, portabella, and shiitake mushroom supplementation up-regulates interleukin-23 secretion in acute dextran sodium sulfate colitis in C57BL/6 mice and murine macrophage J.774.1 cell line*. Nutr Res. 2013 May;33(5):388-96. Epub 2013 Mar 28. DOI: 10.1016/j.nutres.2013.02.009. PMID: 23684440.
31. Lucas EA, Brown A, Li W, Peterson SK, Wang Y, Perkins-Veazie P, **Clarke SL**, Smith BJ. *Mango modulates blood glucose similar to rosiglitazone without compromising bone parameters in mice fed high fat diet*. J Pharm and Nutrition Sciences 2012; 2(2): 115-126. DOI: <http://dx.doi.org/10.6000/1927-5951.2012.02.02.1>.
32. Davis MR, Hester KK, Shawron KM, Lucas EA, Smith BJ, and **Clarke SL**. *Comparisons of the iron deficient metabolic response in rats fed either an AIN-76 or AIN-93 based diet*. Nutr Metab (Lond) 2012 Oct 30;9(1)95. DOI: 10.1186/1743-7075-9-95. PMID: 23110872.
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34. Peterson SK, Lucas EA, Traore D, Christopher LC, French C, **Clarke SL**, Lightfoot SA, Smith BJ, and Kuvibidila S. *Effects of Portabella mushrooms on collagen-induced arthritis, inflammatory cytokines, and body composition in dilute brown non-agouti (DBA1) mice*. Functional Foods in Health and Disease, Vol 9, September 22, 2011. DOI: 10.31989/ffhd.v1i9.123.
35. Christopher LC, Marlow D, Doffay J, **Clarke SL**, Smith BJ, and Kuvibidila S. *Differential effects of shiitake- and white button mushroom-supplemented diets on hepatic steatosis in C57/BL6 mice*. Food Chem Toxicol. 2011 Sept; 49(12):3074-80. Epub 2011 Sep 10. DOI: 10.1016/j.fct.2011.09.001. PMID: 21925564.
36. Davis MR, Shawron KM, Rendina E, Peterson SK, Lucas EA, Smith BJ, and **Clarke SL**. *Hypoxia Inducible Factor 2-alpha is Translationally Repressed in Response to Dietary Iron Deficiency in Sprague-Dawley Rats*. J. Nutr. 2011 Sept; 141(9): Epub 2011 Jul 13. DOI: 10.3945/jn.111.14410. PMID: 21753061.
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Invited Book Chapters (Underlined names denotes student contributors)

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99. *Brown AR, Li W, Peterson SK, Perkins-Veazie P, Smith BJ, **Clarke SL**, and Lucas EA. *Effects of mango on bone parameters in mice fed high fat diet*. Oklahoma State University Research Week, Stillwater, OK, 2/19/2009.
100. *Li W, Peterson SK, Brown AR, Perkins-Veazie P, **Clarke SL**, Kuvibidila S, Smith BJ, and Lucas EA. *Supplementation with mango reduced glucose and lipid levels in mice fed high fat diet*. Oklahoma State University Research Week, Stillwater, OK, 2/19/2009.

101. *Luebcke ED, Peterson SK, Stafne E, **Clarke SL**, John G, Basu A, Smith BJ, and Lucas EA. *The effect of the extract of Rubaiyat, a native Oklahoma grape, and resveratrol in inhibiting breast cancer cell proliferation.* Oklahoma State University Research Week, Stillwater, OK, 2/19/2009.
102. *Pina F, Brown AR, Kuvibidila S, **Clarke SL**, Smith BJ, and Lucas EA. *Momordica charantia improves body weight and glucose tolerance in mice fed high fat diet.* Oklahoma State University Research Week, Stillwater, OK, 2/19/2009.
103. *Davis MR, Sharp VD, Wade S, Rendina E, Lim YF, Wang Y, Lucas EA, Smith BJ, and **Clarke SL**. *Coordination of Iron and Oxygen Sensing through Post-transcriptional Regulation of Hypoxia-Inducible Factor 2-alpha.* Oklahoma State University Research Week, Stillwater, OK, 2/18/2009.
104. *Lim YF, Wang Y, Rendina E, Jiang W, **Clarke SL**, Lucas EA, and Smith BJ. *Alterations in VDR Expression with Chronic Inflammation.* Oklahoma State University Research Week, Stillwater, OK, 2/18/2009.
105. *Rendina E, Lim YF, Marlow D, Wang Y, **Clarke SL**, Kuvibidila S, Lucas EA, and Smith BJ. *Dietary Supplementation with Dried Plum Prevents Ovariectomy-Induced Bone Loss in C57BL/6 Mice and Modulates the Immune Response.* Oklahoma State University Research Week, Stillwater, OK, 2/18/2009.
106. Smith BJ, Cullen DM, Bu SY, **Clarke SL**, Rendina B, Lim YF, Denver M, and Lucas EA. *Dried Plum Alters Bone Metabolism via a Different Mechanism than PTH.* JBMR 2008;23:S459.
107. Lucas EA, Smith BJ, **Clarke SL**, Pina F, Brown A, Hill M, and Lightfoot S. *Momordica charantia modulates glucose and lipid parameters in high fat diet-induced obesity.* USDA Project Director's Meeting, Knoxville, TN, 7/15/2008 - 7/16/2008.
108. Repa JJ, **Clarke SL**, and MacDonald JG. *Lipids as ligands of nuclear receptor mediated gene expression.* Experimental Biology 2008, San Diego, CA, 4/7/2008.
109. **Clarke SL** and Repa JJ. *Role of ligand in enhancing protein stability of LXR α .* Experimental Biology 2008, San Diego, CA, 4/6/2008.
110. **Clarke SL**, Chokshi N, Simpson A, Frank-Cannon TC, Tansey MG, and Repa JJ. *Liver X Receptor agonists attenuate microglia inflammatory responses: a potential treatment for neurodegenerative disorders.* Keystone Symposium: Nuclear Receptor Pathways to Metabolic Regulation; Nuclear Receptors and Metabolism/Metabolic Syndrome and Cardiovascular Disease, Keystone, CO, 3/27/2007 - 4/1/2007.
111. Frank-Cannon TC, **Clarke SL**, Dietschy JM, Tansey MG, and Repa JJ. *An LXR agonist reduces cerebellar neuroinflammation and delays Purkinje cell neurodegeneration in the Niemann-Pick Type C1 mouse model.* Keystone Symposium: Molecular Mechanisms of Neurodegeneration, Taos, NM, 1/16/2007 - 1/21/2007.
112. Valasek MA, **Clarke SL** and Repa JJ. *Peroxisome proliferators-activated receptor alpha reduces cholesterol absorption via modulation of Niemann-Pick C1 Like 1 expression.* FASEB Summer Research Conference - Intestine Lipid Trafficking, Tucson, AZ, 7/18/2006 - 7/19/2006.
113. **Clarke SL**, Ross KL, Vasanthakumar A, and Eisenstein RS. *Translational Regulation of Ferroportin mRNA by Iron Deficiency and Iron Overload in Rat Liver.* Biolron 2003, The International Biolron Society World Congress on Iron Metabolism, Washington, D.C., May 2003.
114. Eisenstein RS, **Clarke SL**, and Anderson SA. *Critical Role of Protein Degradation in the Regulation of Iron Regulatory Protein 1 (IRP1) by Phosphorylation or Oxidative Stress.* Biolron 2003, The International Biolron Society World Congress on Iron Metabolism, Washington, D.C., May 2003.
115. **Clarke SL**, Ross KL, Vasanthakumar A, Bruss MD, and Eisenstein RS. *Expression of the Iron Export Protein Ferroportin is Translationally Regulated in Rat Liver and RAW 264.7 Macrophages.* Experimental Biology 2003, San Diego, CA, April 2003.

116. **Clarke SL**, Ross KL, Bruss MD, and Eisenstein RS. *Iron Regulatory Proteins as Modulators of Mammalian Fuel Metabolism*. RNA 2002, Seventh Annual Meeting of the RNA Society, Madison, WI, May 2002.
117. **Clarke SL** and Eisenstein RS. *The Role of S138 Phosphorylation in Modulating the Function of Iron Regulatory Protein 1: Alterations in Iron-Sulfur Cluster Stability*. Experimental Biology 2002, New Orleans, LA, April 2002.
118. Ross KL, **Clarke SL**, Bruss MD, and Eisenstein RS. *Mitochondrial Aconitase is Translationally Regulated in Rats Fed and Iron-Deficient Diet*. Experimental Biology 2002, New Orleans, LA, April 2002.
119. **Clarke SL** and Eisenstein RS. *The Role of S138 in Modulating the Function of Iron Regulatory Protein: Implications for Altering Cluster Assembly and RNA-Protein Interactions*. FASEB Summer Research Conference, Regulation of Gene Expression by Dietary Constituents, Vermont Academy, Saxton River, NH, August 2001.
120. **Clarke SL** and Eisenstein RS. *Phosphomimetic Mutants of Iron Regulatory Protein 1 Preferentially Accumulate in the RNA Binding Form in Rat Fibroblasts*. Experimental Biology 1999, Washington D.C., April 1999.
121. Blemings KP, **Clarke SL**, and Eisenstein RS. *Differential Effect of Hypoxia on RNA Binding and Phosphorylation of Iron Regulatory Proteins*. Experimental Biology 1999, Washington D.C., April 1999.
122. **Clarke SL** and Koh E. *Effects of Exogenous Sex Hormones and a Calcium-Deficient Diet High in Starch or Fructose on Bone Strength of the Femur in Female Rats*. Experimental Biology 1997, New Orleans, LA, April 1997.
123. **Clarke SL** and Koh E. *Effects of Fluoride and Aluminum Exposure to Dams Prior to and During Gestation on Mineral Composition of Bone and Selected Soft Tissues Dams and Pups*. Experimental Biology 1996, Washington, D.C., April 1996.
124. **Clarke SL** and Koh E. *Comparison of Bone-Related Nutrient Intake by Different Ethnic Post-Menopausal Women*. Experimental Biology 1996, Washington, D.C., April 1996.

INSTRUCTION, SUPERVISION, AND MENTORING

TEACHING EXPERIENCE

Professor, Department of Nutritional Sciences, College of Human Sciences, Oklahoma State University, Stillwater, OK

- Careers in Nutritional Sciences (NSCI 2111)
- Principles of Human Nutrition (NSCI 2114)
- Niblack Research Scholars (UNIV 2910)
- Evidence Based Practice II (NSCI 3021)
- Human Nutrition and Metabolism I (NSCI 4123 and NSCI 5303)
- Human Nutrition and Metabolism (NSCI 4323)
- Independent Studies in Nutritional Sciences (NSCI 4850)
- Independent Studies in Biochemistry (BIOC 4990)
- Experimental Techniques in Nutritional Sciences (NSCI 5743)
- Research Methods/Developments in Nutritional Sciences (NSCI 5123/6453)
- Micronutrients in Human Nutrition (NSCI 5043)
- Problems in Nutritional Sciences (NSCI 5870)
- Non-thesis Graduate Capstone (NSCI 5843)
- Advanced Energy Metabolism (NSCI 6022)

Adjunct Assistant Professor, Department of Nutritional Sciences, College of Allied Health, University of Oklahoma Health Sciences Center, Oklahoma City, OK

- Medical Nutrition Therapy II – Clinical Experience (NS 4126)
- Principles of Food Science Laboratory (NS 3253)

Adjunct Instructor, Department of Nutritional Sciences, College of Allied Health, University of Oklahoma Health Sciences Center, Oklahoma City, OK

- Instructional Techniques for Allied Health Professional (AHE 4492)

Graduate Assistant, Department of Nutritional Sciences, College of Allied Health, University of Oklahoma Health Sciences Center, Oklahoma City, OK

- Medical Nutrition Therapy I – Clinical Experience (NS 3246)
- Principles of Food Preparation Laboratory (NS 3133)

Guest Lecturer/Presentations, Department of Nutritional Sciences, College of Human Sciences, Oklahoma State University, Stillwater, OK

- OSU NSCI 5043, Micronutrients in Human Nutrition, *Principles of Mammalian Iron Metabolism*, 4/17/2018 – 4/19/2018.
- OSU NSCI 5043, Micronutrients in Human Nutrition, *Principle of Mammalian Iron Metabolism*, 4/13/2017 – 4/18/2017.
- OSU NSCI 5043, Micronutrients in Human Nutrition, *Principles of Mammalian Iron Metabolism*, 4/7/2016 – 4/12/2016.
- OSU BIOC 6753, Epigenetics, *Mammalian Control of Gene Expression by miRNA*, 3/10/2016.
- OSU Grantsmanship Class (Graduate Course), *Preparing a proposal: What reviewers look for in successful applications*, 11/9/2015.

- OSU VBSC 6110, Seminar in Veterinary Biosciences, Center for Veterinary Health Sciences, *Coordination of Iron and Oxygen Sensing: Metabolic Adaptations to Cellular Iron Depletion*, 10/22/2015.
- Biological Basis of Behavior REU, *Introduction to IACUC*, 2/2/2015.
- OSU NSCI 5043, Micronutrients in Human Nutrition, One-Carbon Metabolism and Iron Metabolism, 2/4/2015 and 4/8/2015.
- UNIV 2511, Introduction to Health Careers, *Careers in Nutritional Sciences*, 9/8/2014.
- Biological Basis of Behavior REU, *Introduction to IACUC*, 6/10/2014.
- OSU BIOC 6753, Epigenetics, *Mammalian Control of Gene Expression by miRNA*, 4/3/2014.
- OSU UNIV 2511, Introduction to Health Careers, *Careers in Nutritional Sciences*, 9/18/2013.
- OSU NSCI 5033, Macronutrients in Human Nutrition, *Critical Evaluation of Scientific Literature*, 8/22/2013.
- OSU ANSI 5110/6110, Seminar in Animal Sciences, *Examining the role of miRNA in the control of iron-sulfur cluster biogenesis and iron metabolism in mammals*, 3/1/2013.
- OSU BIOC 6110, *Examining the role of miRNA in the control of iron-sulfur cluster biogenesis and iron metabolism in mammals*, 1/1/2013.
- OSU NSCI 5960/6960, Seminar in Nutritional Sciences, *Examining the role of miRNA in the control of iron-sulfur cluster biogenesis and iron metabolism in mammals*, 3/6/2013.
- OSU NSCI 5033, Macronutrients in Human Nutrition, *Critical Evaluation of Scientific Literature*, 8/23/2012.
- OSU BIOC 6753, Epigenetics, *Using miRNA-Seq to Examine Global Changes in miRNA Expression in Response to Dietary Constituents*, 1/1/2012.
- OSU HES 6993, Doctoral Seminar in Human Sciences, *Establishing a Program of Research and Strategies for Success in Research/Creative Scholarship for New Faculty Members*, 2/27/2012.
- OSU NSCI 2211, Careers in Dietetics, *Research Careers in Dietetics*, 2/27/2012.
- OSU UNIV 3511, Health Professional School Preparation, *Mock Interviews*, 2/9/2012 – 2/16/2012.
- OSU NSCI 5033, Macronutrients in Human Nutrition, *Critical Evaluation of Scientific Literature*, 8/25/2011.
- OSU NSCI 2211, Careers in Dietetics, *Research Interests in Dietetics*, 4/18/2011.
- OSU UNIV 3511, Health Professional School Preparation, *Mock Interviews*, 2/15/2011 – 2/17/2011.
- OSU NSCI 6023, Macronutrients, *An Introduction into Critically Evaluating the Scientific Literature*, 8/26/2010.
- OSU HES 6993, Seminar in Human Sciences, *The Job Search Process for Faculty Positions*, 4/26/2010.
- OSU NSCI 2211, Careers in Dietetics, *Research Interests in Dietetics*, 3/8/2010.
- OSU UNIV 3511, Health Professional School Preparation, *Mock Interviews*, 2/16/2010 – 2/18/2010.
- OSU NSCI 5961/6961, *How genetic diseases are informing our understanding of the regulation of human iron metabolism*. 9/30/2009.
- OSU MLSC 1112, *Establishing health habits as a freshman – good nutrition for good academic and athletic performance*. 8/20/2008 – 8/21/2008.
- OSU NSCI 5961/6961, *Phosphoregulation of iron regulatory protein 1 – defining the link between iron-sulfur cluster stability and protein degradation*. 10/3/2007.

ACADEMIC ADVISING/MENTORING

Graduate Students

Completed Graduate Students - M.S. Thesis Committee

1. Laurie Thompson, *Impact of Ferroptosis Induction on Iron Metabolism in Cancer Cells Harboring TP53 Mutations*. Completed Spring 2020.
2. Kendall Anderson, *Gut Immunomodulating Properties of Phenolic Compounds in Oklahoma Grown Pecans*. Completed Spring 2019.
3. Tony Tang, *The Role of Zip12 in Neuronal Development*. Completed Spring 2017.
4. Xin Guo, *The Impact of β - β -carotene 9'-10'-oxygenase-2 (BCO2) on mitochondrial function and hypothalamic metabolism*. Completed Spring 2016
5. Ojo Babajide, *Effects of mango on gut microbial population and its relationship with body composition and glucose homeostasis in mice fed a high-fat diet*. Completed Summer 2015
6. Lei Wu, *Functional impact of BCO2 in hepatic mitochondria*. Completed Spring 2015
7. Jessica Semkoff, *The effect of mango supplementation on clinical parameters of prediabetic individuals*. Completed Spring 2015
8. Maryam Mahmood, *Effects of Freeze-Dried Watermelon on Bone Parameters of Ovariectomized Mice*. Completed Fall 2013.
9. Haley Schwager, *Why do Women Stop Breastfeeding after being Successful?* Completed Spring 2013.
10. Maureen Meister, *Effects of Bitter Melon and Toll-Like Receptor 4 (TLR-4) on Glucose and Lipid Parameters in Mice Fed a High-Fat Diet*. Completed Fall 2012.
11. Abiy Melaku, *Effects of Selenium Supplementation and Chronic Inflammation on Bone Microarchitecture and Strength in Mice*. Completed Summer 2012.
12. Megan Gilchrist, *Relations Between Diets of Breastfeeding Women, Socioeconomic Status, and Stress*. Completed Spring 2011.
13. Christine French, *Effects of Mushrooms on the Secretion of Pro-Inflammatory Cytokines by Prostate Cancer Cells*. Completed Spring 2011.
14. Yin Foong Lim, *Alterations in vitamin D metabolism with chronic inflammation: potential implication in inflammation-induced bone loss*. Completed Summer 2009.
15. Kevin Bell, *Can moderate exercise decrease the ration of omega-6/omega-3 polyunsaturated fatty acids in college age subjects?* Completed Spring 2009.
16. Wenjia Li, *The effects of mango on glucose and lipid parameters of mice fed a high fat diet*, Completed Spring 2009.
17. Elizabeth Rendina, *Reversal of inflammation-induced bone loss and vascular pathology by dried plum's polyphenols*. Completed Spring 2009.

Completed Graduate Students - M.S. Thesis Advisor

1. Abbie Madden, *The role of garlic-related compounds in promoting reverse-cholesterol transport*. Completed December 2017.
2. Traces P. Soh, *Role of iron status in the maintenance of circadian rhythm*. Completed Spring 2016.
3. Morgan Rom, *Non-thesis option*. Completed Summer 2016.
4. Kristen K. Hester, *Influence of Iron on Iron Regulatory Proteins and Inflammatory Gene Expression in Mouse Microglial Cells*. Completed Summer 2012.
5. Krista M. Shawron, *Iron Deficiency Negatively Affects Bone Quality and Microarchitecture in Weanling Male Sprague Dawley Rats*. Completed Spring 2011.

6. McKale R. Davis, *Coordination of iron and oxygen signaling through post-transcriptional regulation of hypoxia inducible factor-2 alpha*. Completed Spring 2009.

Completed Graduate Students - Ph.D. Thesis Advisor

1. Joanna Fiddler, *Role of miRNA in the coordination of cellular iron metabolism*. Completed Fall 2016.
2. McKale R. Davis, *Molecular Coordination of Iron Homeostasis by microRNA*. Completed Summer 2013.

Completed Graduate Students - Ph.D. Thesis Committee

1. Sean Gile (Dr. Robert Matts, Department of Biochemistry and Molecular Biology), *Role of Inhibitors of Hsp90 in Cancer Cell Proliferation*.
2. Bryant Keirns, *Comparison of Postprandial Triglycerides, Endothelial Function, and Markers of Inflammation between Individuals with Normal Weight and Normal Weight-obesity*
3. Christina Sciarillo, *Postprandial Triglycerides and Fibroblast Growth Factor-19 as Potential Screening Tools for Pediatric Non-alcoholic Fatty Liver Disease*. Completed Spring 2022.
4. Daniel Scott (Dr. Mindy McCann, Department of Statistics, College of Arts and Sciences), *Regularization, Error Rate Estimation, and Semi-Supervised Learning for Adaptive Discriminate Analysis*. Completed Fall 2021.
5. Matt Greenlee (Dr. Rita Miller, Department of Biochemistry and Molecular Biology), *The TOG Protein STU2/XMAP215 is Regulated by Acetylation and Sumoylation*. Completed Fall 2020.
6. Ana Chicas-Mosier (Dr. Charles Abramson, Department of Integrative Biology), *Honey bees as an invertebrate model to understand lethal and sublethal consequences of aluminum exposure*. Completed Spring 2020.
7. Babajide Ojo, *The Prebiotic Effect of Dry Beans (Phaseolus vulgaris) in Modulating the Crosstalk between the Gut Microbiome and Immune Cells at the Onset of Insulin Resistance in C57BL/6 Mice Fed a High Fat Diet*. Completed Fall 2019.
8. Lei Wu, *Characterizing the role of BCO2 in contributing to metabolic disorders of lipid and glucose homeostasis*. Completed Fall 2018.
9. Bo Zhai (Dr. Pamela Lloyd, Department of Physiological Sciences), *The Role of PLGF in the Shear Stress Response in Endothelial Cells*. Completed Fall 2018.
10. Catherine Haviland (Dr. Clint Krehbiel and Dr. Chris Richards, Department of Animal Sciences), *Effects of metabolic modifiers and environment on cattle health and performance*. Completed Spring 2018.
11. Chathurika R. Henpita, (Dr. Jennifer Shaw, Department of Integrative Biology), *Characterization of a unique fish model to study H₂S homeostasis*. Completed Spring 2018.
12. Xuwen Wieneke (Dr. Udaya DeSilva, Department of Animal Sciences), *Temporal succession of soil microbiome communities under 12 years of amendments in cultivated soils*. Completed Fall 2017.
13. Jenny Graef, *Phenolic compounds in dried plum improve bone health by altering the immune response in the intestinal mucosa*. Completed Spring 2016.
14. Elizabeth Rendina, *Dysregulation of Bone Metabolism in Type 2 Diabetes*. Completed Spring 2014.
15. Gina Wollenberg, *Disordered eating symptoms and emotional regulation in female collegiate athletes and non-athletes*. Completion Spring 2014.
16. Alemtsehay Wotango, *A randomized controlled zinc supplementation trial to evaluate biomarkers of zinc status of adult women in rural Sidama, Southern Ethiopia*. Completed Fall 2013.
17. Lawrance Chandra, *The Modulation of Gut Immunity by Edible Mushrooms*. Completed Spring 2011.
18. Maya Joray, *Evaluation of New Techniques for Zinc and Cortisol Assessment with a Placebo-Controlled Zinc Supplementation Trial in a Subsample of Ethiopian Women*. Completed Spring 2011.

Undergraduate Students

Completed Undergraduate Student Research Projects

1. Honors Thesis (Advisor): Halle Hannon, *How the diet's effect on the gut microbiome influences the initiation and progression of gastrointestinal cancers*. Fall 2020 – Spring 2021.
2. Wentz Research Scholar (Advisor for Maggie Jones): *Examination of factors contributing to increase risk of nutrition-related disorders in adults with intellectual and developmental disabilities*. Fall 2017 – Spring 2018.
3. Honors Thesis (Advisor): Lana Duke, *Oklahoma State University N7 Youth Movement Field Day*, Spring 2018.
4. Honors Thesis (Advisor): Grace Thompson, *Plant-Based Diets on Overall Health and Type II Diabetes*, Spring 2018.
5. Honors Thesis (Advisor): James Dominici, *A Review of the Literature: Nutriepigenetics and Potential Role of Folate on Cancer Risk and Prevention*, Spring 2018.
6. Honors Thesis (Advisor): Katelyn Jarvis, *The Current Impact of Human Papillomavirus Vaccines on Population Health*, Spring 2017.
7. Honors Thesis (Advisor): Codi Demere, *Dietary Histone Deacetylase Inhibitors in Chemoprevention*, Spring 2017.
8. Freshman Research Scholar (Advisor): Maggie Jones, *Garlic-derived Compounds Increase Expression of ABCA1 mRNA in RAW 264.7 Murine Macrophages*, Fall 2016 – Spring 2017
9. Niblack Research Project (Advisor): Madison Krehbiel, *The Role of Garlic in Decreasing Cardiovascular Disease Risk*, Summer 2016 – Spring 2017.
10. LSAMP (Advisor): Johnny Williams, Spring 2014 – Spring 2017.
11. LSAMP (Advisor): Hope Askew, Fall 2016.
12. Special Project (Advisor): Kennedy Logan, Fall 2016.
13. Special Project (Advisor): Annakate Grady, Fall 2016.
14. Special Project (Advisor): Sarah Sauer, Fall 2016.
15. Honors Thesis (Reader): Chelsea Garner, *The Short- and Long-Term Complications Associated with Obese Patients who Undergo Tibiofemoral Joint Replacement Surgery, and the Role of Physical Therapy in Meeting These Challenges*, Fall 2016 – Spring 2017.
16. Honors Thesis (Reader): Annelise Poss, Spring – Fall 2016.
17. Honors Thesis (Advisor): Jordan Tussy, *Influence of Iron Deficiency on Bone Health*, Fall 2015 – Spring 2016.
18. Wentz Undergraduate Research Experience (Advisor): Madison Krehbiel, Fall 2015.
19. Wentz Undergraduate Research Experience: Hannah Jones (Co-Advisor with Dr. Jeanmarie Verchot), Fall 2015.
20. Biological Basis of Behavior REU (Advisor): Colin Mowery, Summer 2015.
21. Honors Thesis (Advisor): Marcy Mayes, *Impact of BCO2 on Hepatic Lipid Metabolism*, Spring 2015.
22. Honors Thesis (Advisor): Brie Horton, *Iron and Inflammation: Role of Iron in the Risk of Chronic Disease*, Spring 2015.
23. Niblack Research Project (Advisor): Kate Janike, *Impact of iron on the regulation of circadian rhythm in liver*, Fall 2014 – Fall 2015.
24. Undergraduate Research Experience (*Cell Culture and Gene Expression Analysis*): Codi Demere, Madison Krehbiel, Katelyn Jarvis, and Caroline Cosner, Fall 2014 – Spring 2015.
25. Biological Basis of Behavior REU (Advisor): Kirsten Ackerman, Summer 2014.
26. Honors Thesis (Advisor): Lana Laughlin, *Use of Bio-Dent to Assess Properties of Bone in Response to Iron Deficiency*, Spring 2014.

27. Honors Thesis (Advisor): Emily J. Jones, *Taking a Multi-tissue Approach to Optimize Selection of Genes Used for Normalization in qPCR*, Spring 2014.
28. Honors Thesis (Advisor): Rachel Nowlin, *Microglial Iron Metabolism*, Fall 2012 – Spring 2013.
29. Honors Thesis (Advisor): Jacob Hill, *Survey of Housekeeping Gene Stability for qPCR Normalization*, Spring 2012 – Spring 2013.
30. Niblack Research Project: Kara Miller, *The Role of Iron in Maintaining Optimal Bone Health: Impact of Dietary Iron on Bone Microarchitecture in a Rodent Model of Iron Deficiency*. Fall 2011 – Fall 2012.
31. Niblack Research Project: Grant Tinsley, *Dietary Iron Deficiency Alters Hepatic miRNA Expression: Implications for Regulation of Cellular Iron Metabolism*. Fall 2011 – Fall 2012.
32. Freshman Research Scholar: Emily J. Jones, *Dietary Iron Deficiency and Alterations in Systemic Glucose Homeostasis*. Fall 2010 – Spring 2011.
33. Honors Thesis (Advisor): Andrea Richardson, *A Review: The Dysregulation of Iron Metabolism and the Development of Osteoporosis*. Fall 2010 – Spring 2011.
34. Honors Thesis (Advisor): Grace Kirkpatrick, *A Systematic Review of Type II Diabetes Education Efforts and the Barriers to Living as a Healthy Diabetic*. Fall 2010 – Spring 2011.
35. Honors Thesis (Reader): Angela Sasaki, *Alterations in the Long-term Metabolic Response to a High Fat Diet in C3H/HeJ Mice with a TLR-4 Mutation Compared to C57BL/6 Mice*. Fall 2010 – Spring 2011.
36. Honors Thesis (Reader): Kristen Hester, *Potential Role of Toll-like Receptor 4 in Bone Loss Associated with Type II Diabetes*. Spring 2010.
37. Honors Thesis (Advisor): Samantha Kilgore, *Creation of a Modular In-Patient Hospital Menu* Fall 2009 – Spring 2010.
38. Wentz Research Project: Trevor Gibbons, *Zinc Status and the Relationship to Acne*. Fall 2009 – Spring 2010.
39. Wentz Research Project: Christie Backoulou, *Impact of iron in reaching optimal bone health in adulthood*. Fall 2009 – Spring 2010.
40. Honors Thesis (Reader): Rebecca Hoffman, *Investigating celiac disease: preparative isolation of α -gliadin from total prolamin content of wheat flour*. Completed Fall 2009.
41. Niblack Research Project: Christie Backoulou, *Iron-dependent alteration in bone mineral density and microarchitecture in a weanling rat model of iron deficiency*. Completed Fall 2009.
42. Honors Thesis (Advisor): Sara Wade, *Iron-dependent regulation of microRNAs expression*. Completed Spring 2009.

Completed Undergraduate Special Projects

1. Stephanie Matous, *The effect of carbohydrate source on glucose homeostasis in iron deficiency*. Fall 2010.
2. Joshua Day, *Optimizing a cell culture model of neuroinflammation to examine alterations in cellular iron metabolism*. Spring 2009 – Spring 2010.
3. Loran Park, *Using a rat model of iron deficiency to establish a role for iron normal bone metabolism*. Fall 2009.
4. Joshua Reavis, *Optimization of in vitro reactions to assay aconitase activity from tissue extracts*. Spring 2009.
5. Erik Olsen, *Cloning L-ferritin mRNA to generate probes for electrophoretic mobility shift assays*. Fall 2007 – Summer 2008.

Student Awards

1. OSU Alumni Foundation Senior of Significance, Lana Duke (Thesis Advisor), 2017 – 2018.

2. OSU Alumni Foundation Senior of Significance, Jacob Mullen (Advisee), 2015 - 2016.
3. Joanna Fiddler, College of Human Sciences Outstanding Undergraduate Scholar Mentor Award, Spring 2015.
4. Kathleen Briggs Human Sciences Undergraduate Scholars Forum, Recognition for Greatest Potential, Jones EJ, Fiddler JL, Davis MR, Smith BJ, Lucas EA, and Clarke SL. *Assessment of reference gene selection for qPCR: implications for dietary studies in animal models of disease*. Stillwater, OK, April 2014.
5. OSU Research Symposium, 1st Place, Biological Sciences Poster Presentation. Fiddler J, Davis MR, Sunkar R, Smith BJ, Lucas EA, and Clarke SL. *Coordinate control of molecular iron homeostasis by miR-181d*. Stillwater, OK, February 2014.
6. OSU Alumni Foundation Senior of Significance, Lana Laughlin (Advisee), 2013 - 2014.
7. OSU Alumni Foundation Senior of Significance, Emily J. Jones (Advisee), 2013 - 2014.
8. OSU Research Symposium, 1st Place, Biological Sciences Poster Presentation. Davis MR, Tinsley GM, Rendina E, Lucas EA, Smith BJ, Zheng Y, Sunkar R, and Clarke SL. *Characterization of the miRNA Response to Dietary Iron Deficiency*. Stillwater, OK, 2/21/2013.
9. Robberson Trust Dissertation Fellowship, McKale R. Davis, Summer 2012.
10. Women's Faculty Research Award, *Enhanced Expression of Lipogenic Genes may Contribute to Hyperglycemia and Alterations in Plasma Lipids in Response to Dietary Iron Deficiency*, McKale R. Davis, Spring 2012.
11. Outstanding Masters Student, College of Human Sciences, Krista M. Shawron, Spring 2012.
12. OSU Alumni Foundation Senior of Significance, Andrea Richardson (Advisee), 2010 - 2011.
13. Oklahoma EPSCoR Research Day, 3rd Place Poster Presentation. Backoulou CN, Davis MR, Sharp VD, Wade S, Rendina E, Lim YF, Wang Y, Stoecker BJ, Lucas EA, Smith BJ, and Clarke SL. *Iron-dependent Alterations in Bone Mineral Density and Microarchitecture in a Weanling Rat Model of Iron Deficiency*. Oklahoma EPSCoR Research Day at the State Capitol, Oklahoma City, OK, 2/23/2009.
14. OSU Research Symposium, 1st Place, Biological Sciences Poster Presentation. Davis MR, Sharp VD, Wade S, Rendina E, Lim YF, Wang Y, Lucas EA, Smith BJ, and Clarke SL. *Coordination of Iron and Oxygen Sensing through Post-transcriptional Regulation of Hypoxia-Inducible Factor 2-alpha*. Stillwater, OK, 2/18/2009.

Undergraduate Student Advising

2019 - 2020	18 advisees	2012 - 2013	15 advisees
2018 - 2019	25 advisees	2011 - 2012	17 advisees
2017 - 2018	32 advisees	2010 - 2011	15 advisees
2015 - 2016	27 advisees	2009 - 2010	26 advisees
2014 - 2015	25 advisees	2008 - 2009	16 advisees
2013 - 2014	18 advisees	2007 - 2008	11 advisees

SERVICE

Department/School Service

1. Department Head, January 2018 – June 2022.
2. OSU Junior Day, Department of Nutritional Sciences, 4/21/2018.
3. OSU Senior Day, Department of Nutritional Sciences, 1/20/2018.
4. Interim Department Head, July 2017 – December 2017.
5. Oklahoma Baptist University (*Topic: Careers in Nutritional Sciences*), Survey of Movement Sciences, Student Recruiting/Guest Lecture, 10/12/2017.
6. *Ad hoc* Faculty Search Committee Chair, Fall 2016 – Spring 2017.
7. Human Sciences Discovery Day, 10/14/2016.
8. Oklahoma Baptist University (*Topic: Careers in Nutritional Sciences*), Survey of Movement Sciences, Student Recruiting/Guest Lecture, 10/4/2016.
9. Oklahoma Baptist University (*Topic: Careers in Nutritional Sciences*), Survey of Movement Sciences, Student Recruiting/Guest Lecture, 10/1/2015.
10. Human Sciences Discovery Day, 9/25/2015.
11. Oklahoma Baptist University (*Topic: Careers in Nutritional Sciences*), Survey of Movement Sciences, Student Recruiting/Guest Lecture, 9/30/2014.
12. *Ad hoc* Faculty Search Committee Chair, Fall 2013 – Spring 2014.
13. *Ad hoc* Faculty Search Committee, Fall 2012 – Spring 2013.
14. Oklahoma Baptist University (*Topic: Careers in Nutritional Sciences*), Survey of Movement Sciences, Student Recruiting/Guest Lecture, 10/1/2013.
15. *Ad hoc* Workload Policy Development Committee, Fall 2012.
16. Oklahoma Baptist University (*Topic: Careers in Nutritional Sciences*), Survey of Movement Sciences, Student Recruiting/Guest Lecture, 9/27/2012.
17. *Ad hoc* Clinical Instructor Search Committee, Spring 2012.
18. *Ad hoc* Ph.D. Comprehensive Exam Format/Content Committee, Spring 2012.
19. Oklahoma Baptist University (*Topic: Careers in Nutritional Sciences*), Survey of Movement Sciences, Student Recruiting/Guest Lecture, 10/4/2011.
20. UpClose Recruitment Activities, NSCI Laboratory Tours, 11/15/2010.
21. *Ad hoc* Faculty Search Committee, Fall 2010.
22. *Ad hoc* Chair's Advisory Board, Fall 2010.
23. NSCI Assessment Subcommittee Chair, Fall 2010 – Fall 2011.
24. Oklahoma Baptist University (*Topic: Careers in Nutritional Sciences*), Survey of Movement Sciences, Student Recruiting/Guest Lecture, 9/28/2010.
25. Oklahoma Baptist University (*Topic: Careers in Nutritional Sciences*), Survey of Movement Sciences, Student Recruiting/Guest Lecture, 10/1/2009.
26. First Annual Stillwater High School Career Fair (*Topic: Careers in Nutritional Sciences*), Student Recruiting, 3/13/2009.
27. NSCI Club Chili and Dessert Cook-off, Faculty Judge, 11/11/2009.
28. *Ad Hoc* Undergraduate Curriculum Review Committee, Fall 2009 – Spring 2011.
29. Oklahoma Family and Consumer Science Educators Meeting, College of Human Sciences, Guest Speaker, 6/3/2009.
30. NSCI Assessment Subcommittee, Fall 2008 – Present.
31. Real-Time PCR Workshop, Department of Nutritional Sciences, *Theoretical and Practical Information for Performing Real-Time PCR*, 5/15/2008.

32. *Ad Hoc* Graduate Curriculum Review Committee, Spring 2008 – Spring 2010.
33. Nutritional Sciences Journal Club/Works in Progress, Organizer/Director, Fall 2007 – 2013.

College Service

1. Education and Human Sciences Associate Dean for Extension Search and Screen Committee, Fall 2021.
2. Education and Human Sciences Senior Manager (HR) Search and Screen Committee, Fall 2021.
3. Education and Human Sciences Faculty Scholars Program (Topic: Reappointment, Promotion, and Tenure) 10/3/2021.
4. Education and Human Sciences Freshman Reading Program, Discussion Leader, 9/1/2021 and 9/29/2021.
5. Education and Human Sciences Staff Advisory Council Faculty Advocate, Fall 2021 – Present.
6. Education and Human Sciences By-laws Working Group, Spring 2021 – Present.
7. Education and Human Sciences Curriculum Committee, Spring 2021 – Present.
8. Education and Human Sciences Faculty Scholars Program (Topic: Structuring the Academic CV) 10/23/2020.
9. Education and Human Sciences Freshman Reading Program, Discussion Leader, 9/17/2020.
10. Recruitment and Retention Growth Initiative Team, 2019 – 2021.
11. Steering Committee, College of Education and Human Sciences, Spring 2019 – Spring 2021.
12. Panelist, HS 6993, (Topic: *Process and Tips for Searching for a Faculty Position*), 4/23/2018.
13. Graduate Students in Human Sciences (Topic: *Finding a Faculty Position*), 10/31/2017.
14. Human Sciences Freshman PETE Project, Panelist, 10/10/2017.
15. Human Sciences Discovery Day, 10/14/2016.
16. Human Sciences Instructional Learning Community Seminar (*Student Engagement*), 9/29/2016.
17. Human Sciences Freshman PETE Project, Panelist, 8/28/2016.
18. Human Sciences Freshman Reading Program, Discussion Leader, 8/22/2016 – 8/24/2016.
19. College of Human Sciences Faculty Teaching Fellow, 8/2013 – 6/2017.
20. Human Sciences Discovery Day, 9/25/2015.
21. Human Sciences Freshman Reading Program, Discussion Leader, 8/24/2015 – 8/26/2014.
22. Human Sciences Faculty Scholars Development Program (Topic: *Contacting Program Officers*). Guest Speaker, 1/30/2015.
23. Human Sciences Faculty Scholars Development Program (Topic: *Contacting Program Officers*), Guest Speaker, 1/30/2014.
24. Human Sciences Freshman Reading Program, Discussion Leader, 8/25/2014 – 8/27/2014.
25. Human Sciences Faculty Scholars Development Program (Topic: *Contacting Program Officers*), Guest Speaker, 1/31/2014.
26. Human Sciences Freshman Reading Program, Discussion Leader, 8/26/2013 – 8/28/2013.
27. Human Sciences Strategic Planning Subcommittee Educational Experience Action Team (Route Goal 1), NSCI Faculty Representative, Spring 2013 – Spring 2014.
28. Human Sciences Faculty Scholars Development Program (Topic: *Contacting Program Officers*), Guest Speaker, 2/8/2013.
29. Human Sciences Freshman Reading Program, Discussion Leader, 8/28/2012 – 8/30/2012.
30. Poster Judge, Kathleen Briggs Human Sciences Undergraduate Scholars Forum, 4/19/2012.
31. Human Sciences Faculty Scholars Development Program (Topic: *Contacting Program Officers*), Guest Speaker, 2/10/2012.
32. Graduate Students in Human Sciences Professional Development Seminar, *Establishing a Journal Club in your Discipline-area*, (Co-presented with Dr. Brenda J. Smith), 9/20/2011.

33. Human Sciences Freshman Reading Program, Discussion Leader, 8/30/2011 – 9/1/2011.
34. Human Sciences Faculty Advisory Council, Ex Officio Member and Department of Nutritional Sciences Representative, 2011 – 2014; Chair 2012 – 2014.
35. Poster Judge, Kathleen Briggs Human Sciences Undergraduate Scholars Forum, 4/22/2011.
36. Human Sciences Faculty Scholars Development Program (*Topic: Contacting Program Officers*), Guest Speaker, 2/11/2011.
37. Human Sciences Faculty Spotlight, Freshman Experience (*Topic: Succeeding in Nutritional Sciences*), Panel Participant, 10/25/2010.
38. Human Sciences Freshman Reading Program, Discussion Leader, 8/31/2010 – 9/2/2010.
39. Human Sciences Faculty Scholars Development Program (*Topic: My Faculty Scholars Experience*), Guest Speaker, 8/27/2010.
40. College of Human Sciences Welcome Week “Your First Tradition” Faculty Coach, 5/19/2010.
41. OSU New Student Orientation College of Human Sciences Faculty Representative, 5/24/2010 – 6/10/2010.
42. Graduate Students in Human Sciences Professional Development Seminar (*Topic: Preparing Poster Presentations for National Conferences*), Guest Speaker, 10/19/2009.
43. Human Sciences Faculty Spotlight, Freshman Experience (*Topic: Succeeding in Nutritional Sciences*), Panel Participant, 10/13/2009.
44. College of Human Sciences Volunteer Campaign Committee Members and Associate Executive Group Fall Meeting, Guest Speaker (*Topic: Looking Forward to the Needs in Human Sciences*), 9/17/2009.
45. Human Sciences Freshman Reading Program, Discussion Leader, 8/25/2009 – 8/27/2009.
46. Human Sciences Strategic Planning Subcommittee on Research (Route Goal 2), NSCI Faculty Representative, Fall 2008 – December 2010.
47. College of Human Sciences Assessment Committee, NSCI Faculty Representative, Spring 2009 – Fall 2011.
48. Human Sciences Faculty Scholars Development Program (*Topic: Contacting Program Officers*), Guest Speaker, 2/13/2009.
49. Human Sciences Faculty Spotlight, Freshman Experience (*Topic: Succeeding in Nutritional Sciences*), Panel Participant, 11/6/2008.
50. Human Sciences Freshman Reading Program, Discussion Leader, 8/26/2008 – 8/28/2008.
51. OSU Academic Integrity Panel, Undergraduate/Graduate Faculty Representative for College of Human Sciences, Fall 2008 – Present.
52. Fall 2008 ALPHA Walk and Panel Discussion (*Topic: Successful Strategies for Academic Success as a Freshman*), Panel Participant, 8/15/2008.

University Service

1. Pandemic/Endemic Planning Task Force Co-chair, Fall 2021 – Spring 2022.
2. Class Schedule Software RFP Working Group, Fall 2021 – Spring 2022.
3. Opportunity Orange Scholars Advisory Board, Fall 2021 – Present.
4. G-RISE Trainee Selection Committee, Summer 2021.
5. OSU Chief Information Officer Search Committee, Spring 2021.
6. OSU Athletics Name, Image, and Likeness Working Group, Spring 2021.
7. OSU Athletics Diversity and Inclusion Council, 2020 – 2023.
8. University Animal Veterinarian Search Committee, Fall 2020.
9. Academic Leadership Academy, Panelist, “*Supervising and Working with Faculty*”, 11/8/2018.
10. Assistant Vice-President/Chief Human Resource Officer Search Committee, Fall 2018.

11. Assistant Vice-President for Enrollment Management Search Committee, Spring 2018.
12. Academic Leadership Academy, Panelist, *"Supervising and Working with Faculty"*, 11/9/2017.
13. OSU Faculty Athletic Representative (FAR) Big 12/NCAA , January 2017 – Present.
14. OSU Athletic Council, January 2017 – Present.
15. OSU Big Ideas Participant, 2015 – 2016 and 2017 – 2018.
16. OSU Faculty Council Past-Chair, 2016 – 2017.
17. OSU General Education Advisory Council 2016 – 2017.
18. OSU Cowboy Way/OSU Foundation Campaign Executive Committee, 2016 – 2018.
19. OSU Faculty Council Chair, 2015 – 2016.
20. OSU Grade Appeals Board, 2015 – 2017.
21. OSU Healthcare and Wellness Taskforce Chair, 2015 – 2021.
22. OSU Office of Corporate Engagement Director Search and Screen Committee, Fall 2015.
23. New Faculty Orientation, New Faculty Orientation Faculty Panel Participant (*Topic: Shared Governance at Oklahoma State University*), Oklahoma State University, 8/13/2015.
24. ITLE GTA Conference, *Active Learning Strategies that are Easily Employed in the Classroom*, Oklahoma State University, 8/12/2015.
25. OSU University College Director Search and Screen Committee, Summer 2015.
26. OSU Higher Learning Commission Accreditation Committee, 2015.
27. OSU Faculty Council Vice-Chair, 2014 – 2015.
28. OSU Faculty Council, *Ex officio* member, Long-range Planning and Information Technology Committee, Fall 2014 – Spring 2015.
29. OSU Faculty Council, *Ex officio* member, Budget Committee, Fall 2014 – Spring 2015.
30. OSU Faculty Council, *Ex officio* member, Retirement and Fringe Benefits Committee, Fall 2014 – Spring 2015.
31. School of International Studies (SIS) Faculty Member, Fall 2014 – Present.
32. Vice-President for Research and Technology Transfer Animal Use and Care Working Group, Fall 2013 – Spring 2014.
33. OSU Bike Committee, 2014 – 2015.
34. Summer Research Training Program Mentor, OSU Center for Veterinary Health Sciences (Supported by NIH, Meriel Veterinary Scholars Research Program, and Morris Animal Foundation), Spring 2014 – Spring 2017.
35. Oklahoma State University REU Mentor, Biological Basis of Human and Animal Behavior, Spring 2014 – Spring 2017.
36. OSU ITLE Faculty Development Workshop (Presenter), *Student Engagement, Student Success: Active Learning Strategies that Engage Students in the Classroom*, 11/12/2013 ([Part 1](#), [Part 2](#), [Part 3](#)).
37. Group I Graduate Faculty Secretary (and Graduate Council representative), Fall 2013 – Spring 2016.
38. OSU Healthcare and Wellness Taskforce, Fall 2013 – 2021.
39. OSU Retirement Investment Committee, Fall 2013 – Present.
40. OSU Institute for Teaching and Learning Excellence Faculty Teaching Fellow, College of Human Sciences, 2014 – 2016.
41. OSU Admissions Holistic Admission External Review Committee, Faculty Council Representative, 2013 – Present.
42. OSU Search and Screen Committee for Associate Director of the Institute for Teaching and Learning Excellence, Committee Member, Spring 2013.
43. OSU Research Week, Poster Presentation Judge (Biological and Biomedical Sciences, 2/20/2013 – 2/22/2013).
44. OSU Sternberg Award for Excellence Committee, 2012 – 2016.

45. OSU ACT-Optional Task Force, Spring 2012.
46. OSU Research Week, Poster Presentation Judge (Biological and Biomedical Sciences), 2/22/2012 – 2/24/2012.
47. OSU Faculty Council, Chair, Retirement and Fringe Benefits Committee, 2011 – 2014.
48. OSU Faculty Council, College of Human Sciences Representative, 2011 – 2014.
49. Campus-wide Wellness Committee (Wellness Workforce), 2011 – 2012.
50. OSU Research Week, Poster Presentation Judge (Biological and Biomedical Sciences), 2/23/2011. 2011.
51. New Faculty Orientation, New Faculty Orientation Faculty Panel Participant (*Topic: The Benefit of Mentoring Undergraduate Research*), Oklahoma State University, 8/19/2010.
52. OSU Research Week, Poster Presentation Judge, 2/17/2010.
53. Pre-Health Advisory Committee (PAC), Spring 2010 – 2020.
54. *Ad hoc* Group I By-laws/Amendments Revision/Review Committee, Fall 2009 – Spring 2010.
55. OSU Research Week, Paper Presentation Judge, 2/18/2009.
56. OSU Academic Integrity Panel, Undergraduate/Graduate Faculty Representative for College of Human Sciences, Fall 2008 – 2017.

Professional Service

1. External Reviewer for Tenure and Promotion, Department of Nutrition, College of Allied Health, East Carolina University, 2022.
2. External Program Review, University of Tennessee-Knoxville, Department of Nutrition, 2022.
3. Secretary and Board Member, Association of Nutrition Departments and Programs, 2021 – 2024.
4. *Ad hoc* manuscript reviewer, BMC Genomics, January 2021- Present.
5. External Reviewer for Tenure and Promotion, Department of Nutrition and Health Sciences, University of Nebraska-Lincoln, 2020.
6. External Reviewer for Tenure and Promotion, Department of Kinesiology and Sport Management, Texas Tech University, 2020.
7. External Program Review, University of Nevada-Reno, Department of Nutrition, 2020.
8. *Ad hoc* manuscript reviewer, Biomolecules, 2020 – Present.
9. External Reviewer for Promotion, Department of Nutritional Sciences, University of Oklahoma Health Sciences Center, 2019.
10. *Ad hoc* manuscript reviewer, Communications Biology, 2019 – Present.
11. *Ad hoc* manuscript reviewer, Physiological Genomics, 2019 – Present.
12. *Ad hoc* manuscript reviewer, Adv in Physiology Education, 2019 – Present.
13. *Ad hoc* manuscript reviewer, Am J Physiology: Cell Physiology, 2019 – Present.
14. *Ad hoc* abstract grader/reviewer, Academy of Nutrition and Dietetics, Food and Nutrition Conference and Expo 2019.
15. External Program Review, University of North Carolina-Greensboro, Department of Nutrition, 2019.
16. *Ad hoc* manuscript reviewer, Metabolism, 2018 – Present.
17. *Ad hoc* abstract grader/reviewer, Academy of Nutrition and Dietetics, Food and Nutrition Conference and Expo 2018. 12/2017.
18. Vision 2028 Summit Participant, American Society for Nutrition, Washington, DC, 12/6/2017 – 12/8/2017.
19. Association of Nutrition Departments and Programs Annual Meeting, University of Missouri, 10/25/2017 – 10/26/2017.
20. Association of Nutrition Departments and Program Annual Meeting, USDA/NIFA, 10/25/2017 – 10/26/2017.

21. *Ad hoc* abstract grader/reviewer, Academy of Nutrition and Dietetics, Food and Nutrition Conference and Expo 2017.
22. *Ad hoc* abstract grader/reviewer, American Society for Nutrition, 2016 – 2018.
23. Academic Editor, PLoS One, 2014 – Present.
24. *Ad hoc* abstract grader/reviewer, Academy of Nutrition and Dietetics, Food and Nutrition Conference and Expo 2016, 4/2016.
25. *Ad hoc* manuscript reviewer, BMC Complementary and Alternative Medicine, 2015 – Present.
26. *Ad hoc* manuscript reviewer, Am J Physiology: Heart and Circulation Physiology, 2015 – Present.
27. *Ad hoc* manuscript reviewer, Am J Physiology: Regulatory, Integrative, and Comparative Physiology, 2015 – Present.
28. *Ad hoc* manuscript reviewer, Am J Physiology: Endocrinology and Metabolism, 2015 – Present.
29. *Ad hoc* manuscript reviewer, J Applied Physiology, 2015 – Present.
30. *Ad hoc* manuscript reviewer, Lipid Insights, 2015 – Present.
31. *Ad hoc* abstract grader/reviewer, Academy of Nutrition and Dietetics, Food and Nutrition Conference and Expo 2015, April 2015.
32. *Ad hoc* manuscript reviewer, Biochimie, Fall 2014 – Present.
33. *Ad hoc* manuscript reviewer, Trends in Endocrinology and Metabolism, 2014 – Present.
34. *Ad hoc* manuscript reviewer, Experimental Cell Research, 2014 – Present.
35. *Ad hoc* manuscript reviewer, Journal of Nutrition, 2014 – Present.
36. *Ad hoc* manuscript reviewer, Am J Physiology, 2014 – Present.
37. Gil Leveille Lecture Jury, Institute of Food Technologists and American Society for Nutrition. Spring 2014.
38. *Ad hoc* abstract grader/reviewer, Academy of Nutrition and Dietetics, Food and Nutrition Conference and Expo 2014, 12/2013.
39. Co-chair and Panel Member, NIH Center for Scientific Review, MGB Study Section – Genes, Genomes, and Genetics IRG, 11/2/2013.
40. *Ad hoc* manuscript reviewer, Biology of the Cell, 10/2013 - Present.
41. Sigma Xi Chapter 101 Vice-President (2013-14), President-Elect (2014-15), Oklahoma State University
42. *Ad hoc* abstract grader/reviewer, Academy of Nutrition and Dietetics, Food and Nutrition Conference and Expo 2013, 12/2012.
43. Co-Chair and Panel Member, NIH Center for Scientific Review, MGB Study Section – Genes, Genomes, and Genetics IRG, 10/18/2012.
44. Panel Member, NIH Center for Scientific Review, INMP Study Section - Endocrinology, Metabolism, Nutrition and Reproductive Sciences IRG, 6/25/2012.
45. Judge, 2011 – 2012 Spirit of Innovation Challenge (Health and Nutrition), Conrad Foundation, 12/2011.
46. *Ad hoc* abstract grader/reviewer, American Dietetic Association, Food and Nutrition Conference and Expo 2012, 12/2011.
47. *Ad hoc* reviewer, Jones & Bartlett Learning, *Basis and Efficacy of Medical Nutrition Therapy*, 9/2011.
48. *Ad hoc* reviewer, Academic Press/Elsevier Publications, *Bioactive Foods on Chronic Disease States*, 9/2011.
49. Center for Scientific Review, NIH Early Career Reviewer Program Participant, 8/2011 – 7/2015.
50. *Ad hoc* manuscript reviewer, PLoS ONE, 2/2011 – Present.
51. *Ad hoc* abstract grader/reviewer, American Dietetic Association, Food and Nutrition Conference and Expo 2011, 1/2011 – 3/2011.
52. *Ad hoc* manuscript reviewer, British Journal of Nutrition, 1/2011 – Present.

53. *Ad hoc* abstract grader/reviewer, American Dietetic Association, Food and Nutrition Conference and Expo 2010, 1/2010 – 3/2010.
54. *Ad hoc* manuscript reviewer, Nutrition Research, 7/2009 – Present.
55. Nutrient-Gene Interactions RIS Group Poster Session Judge, American Society for Nutrition, 4/18/2009.
56. *Ad hoc* abstract grader/reviewer, American Dietetic Association, Food and Nutrition Conference and Expo 2009, 1/2009 – 3/2009.
57. *Ad hoc* manuscript reviewer, Journal of the American Dietetic Association, 1/2009 – Present
58. *Ad hoc* external grant reviewer, National Medical Research Council (Singapore), 2/5/2008.
59. *Ad hoc* manuscript reviewer, BMC Molecular Biology, 8/8/2007 – Present.

Outreach

1. OSU Unified Volunteer Coach, 2023 - Present
2. Health Headlines Unpeeled (podcast, <https://healthheadlinesunpeeled.podbean.com/>), Co-host, Summer 2021 – Present.
3. Mentor for Caleb Horne (Tammy Will, Morrison School District): Regional Junior Science and Humanities Symposium, 3/3/2017.
4. OSU National Lab Day (for High School Students), College of Human Sciences, Department of Nutritional Sciences, *Extraction and Comparison of Dietary Lipids*, 5/10/2016.
5. OSU Chapter, Beta Beta Beta, National Biology Research Honor Society Presentation, 4/28/2016.
6. OSU National Lab Day (for High School Students), College of Human Sciences, Department of Nutritional Sciences, *Extraction of Phenolic Compounds from Fruit*, 5/12/2015.
7. College of Human Sciences Week Panel Presentation, *From Bench to Bedside and Beyond: How Research in Nutritional Sciences Impacts Oklahoma*, 3/26/2015.
8. ITLE Faculty Talk Fridays, *Faculty Teaching Fellows in the College of Human Sciences (Shiretta Ownbey, Glade Topham, and Stephen Clarke)*, [Creating a Climate of Excellence in Instruction](#), 2/27/2015.
9. Sigma Xi Scientific Honor Society, President and Contributor to Science Café Series, 6/2014 – 5/2015.
10. College of Human Sciences Week Panel Presentation, *Nutraceuticals and Disease*, 4/3/2014.
11. ITLE Faculty Talk Fridays, *Engaging Students in the Classroom (Thad Leffingwell, Suzii Parsons, and Stephen Clarke)*, [Engaging Students in the Classroom](#), 2/21/2014.
12. Oklahoma Center for Neuroscience, *Genetic Basis of Brain Disorders*, 1/21/2014.
13. Christian Medical and Dental Student Association, *Journey in Nutritional Sciences*, 10/29/2013.
14. Sigma Xi Scientific Honor Society, Vice-President and Contributor to Science Café Series, 6/2013 – 5/2014.
15. OSU Cycling Club Team Training Camp, *Hydration and Nutrition for Optimal Performance*, 2/2/2013.
16. Seretean Wellness Center Wellness Wednesday Seminar, *The Why's, How's and What's of Nutritional Supplements*, 11/7/2012.
17. Oklahoma Cooperative Extension Service Fact Sheet, Peer Reviewer, T-3171 (Dietary Guidelines for Americans 2010), 3172 (USDA Daily Food Plan), 3177 (Nutrition for Older Adults: Dietary Guidelines 2010), 3183 (Nutrition for Older Adults: USDA Daily Food Plan), 3181 (Nutrition for Older Adults: USDA Daily Food Plan Food Groups).
18. Seretean Wellness Center Wellness Wednesday Seminar, *The Truth About Iron Supplements: Should You be Taking Them?* 3/23/2011.
19. Oklahoma Cooperative Extension News Release (Co-edited with Dr. Janice Hermann): Lowering Your Risk of Osteoporosis, Division of Agricultural and Natural Resources, 2/2010.

Public/Community Service

1. United Way Day of Caring, Stillwater, OK, 10/16/2021.
2. United Way Day of Caring, Stillwater, OK, 10/19/2019.
3. United Way Day of Caring, Stillwater, OK, 10/20/2018.
4. United Way Day of Caring, Stillwater, OK, 10/21/2017.
5. United Way Day of Caring, Stillwater, OK, 10/15/2016.
6. Lake McMurtry Trail Work Day, Stillwater, OK, 7/4/2013.
7. Lake McMurtry Trail Work Day, Stillwater, OK, 10/28/2012.
8. Lake McMurtry Trail Work Day, Stillwater, OK, 9/3/2012.
9. Friends of Lake McMurtry Clean-up Day, Stillwater, OK, 6/30/2012.
10. Lake McMurtry Trail Work Day, Stillwater, OK, 8/20/2011.
11. Stillwater Community Center Christmas Dinner, Volunteer, 12/25/2008.

PROFESSIONAL DEVELOPMENT

Leadership- and Instruction-related

1. OSU Academic Leadership Series: *Appraisal and Development*, 11/13/2024.
2. OSU Academic Leadership Series: *Conducting Effective Faculty Searches*, 9/11/2024.
3. OSU Academic Leadership Series: *What your Lawyers Want you to Know*, 4/11/2024.
4. OSU Academic Leadership Series: *Helping Faculty Improve Their Teaching*, 3/19/2024.
5. OSU Academic Leadership Series: *The OSU Strategy*, 2/14/2024.
6. Oklahoma State Regents for Higher Education: *Free Speech Training*, 4/11/2024.
7. Council for Advancement and Support of Education: *Development for Academic Leader*, 2/21/2024 – 2/23/2024.
8. Association of Nutrition Departments and Programs/Council of Food Science Administrators: *Unit-level Strategies for Advancing Diversity, Equity, and Inclusion* (presented by Matthew L. Ouellett, Executive Director, Center for Teaching Innovation, Cornell University)
9. OSU Leadership Lunch: *Appraisal & Development and Reappointment, Promotion, and Tenure*, 11/9/2021.
10. OSU Leadership Lunch: *Evaluating Teaching*, 10/12/2021.
11. OSU Leadership Lunch: *Curricular Analytics*, 9/14/2021.
12. Chronicle of Higher Education, *Hiring for Diversity: A Primer for Department Chairs*, 8/4/2021.
13. American Council on Education (ACE Engage): *Disrupting Disparities in Academic Workloads*, (presented by KerryAnn O'Meara, Dawn Culpepper, Joya Misra, and Audrey J. Jaeger), 2/10/2021.
14. American Council on Education (ACE Engage): *Taking Action on Race and Ethnicity in Higher Education: Faculty and Staff Diversity, Part II* (presented by Kimberly Griffin and Andy Brantley), 2/9/2021.
15. American Council on Education (ACE Engage): *Taking Action on Race and Ethnicity in Higher Education - Faculty and Staff Diversity, Part I* (presented by Kimberly Griffin and Andy Brantley), 1/19/2021.
16. American Council on Education (ACE Engage): *Equity-Minded Faculty Workloads by Design* (presented by KerryAnn O'Meara, Dawn Culpepper, Joya Misra, and Audrey J. Jaeger), 1/13/2021.
17. LGBTQ Safe Zone Training: Irissa Baxter, Office of Multicultural Affairs, Oklahoma State University, 11/5/2020.
18. ACEND Webinar Series on Diversity, Equity, and Inclusion; *Strengthening the Patient Interaction: Deconstructing the Complexity of Racism and Food* (Dr. Wendi Wills El-Amin, Southern Illinois University), 10/27/2020.
19. Reach Higher Summit 2020: *Supporting Underserved Students by Strengthening Equity in Oklahoma; (Re)Imagining and (Re)Conceptualizing Student Success for Black Students in Higher Education: How Coded Academic Language Creates Barriers for Students of Color* (Dr. Rodney Bates, University of Oklahoma), 10/21/2020.
20. Reach Higher Summit 2020: *Supporting Underserved Students by Strengthening Equity in Oklahoma; Equity First* (Dr. Danette Howard, LUMINA Foundation), 10/12/2020.
21. Association of Nutrition Departments and Programs Annual Meeting, 10/9/2020.
22. The Coffee Bean, Damon West, OSU Athletics Diversity and Inclusion Council, 10/8/2020.
23. Fostering and Promoting a Culture of Diversity and Inclusion at OSU, 10/5/2020.
24. Tulsa Race Massacre Virtual Panel, OSU Athletics Diversity and Inclusion Council, 8/30/2020.

25. LEAD21 Alumni Association, *Higher Ed's Reckoning With Race - A conversation about bigotry, diversity, and opportunity*, 8/5/2020.
26. LEAD21 (Class 15), Leadership for the 21st Century, 2019 - 2020.
27. The Power of Skepticism and Critical Thinking, Professional Development Resources, Inc. (Leo Christie, PhD), 4/24/2020.
28. Grief: The Reaction to Loss, Professional Development Resources, Inc. (Laura Moore, MSW, LCSW), 4/23/2020.
29. Overcoming the Stigma of Mental Illness, Professional Development Resources, Inc. (Claire Dorotik-Nana, LMFT), 4/23/2020.
30. Eliminating Self-defeating Behaviors, Professional Development Resources, Inc. (Robert E. Hardy, EdD), 4/7/2020.
31. Motivation: Igniting the Process of Change, Professional Development Resources, Inc. (Claire Dorotik-Nana, LMFT), 4/6/2020.
32. APLU Annual Meeting, San Diego, 11/10/2019 - 11/12/2019.
33. Master Executive Training Program, Magellan Executive Partners, 2018 - 2019.
34. Fellow, Academic Fellows Leadership Academy, Educators' Leadership Academy, 2018 - 2019.
35. APLU Annual Meeting, New Orleans, 11/11/2018 - 11/13/2018.
36. Crisis Media Training (Gooden Group), Oklahoma State University, 1/11/2018.
37. Academic Fellows Leadership Academy, Educators' Leadership Academy: *New Programs and Continuous Improvement* (9/15/2017), *Understanding the Basis of Accountability* (11/4/2017), *Communication and Cultural Climate* (2/3/2018), and *Managerial and Organizational Skills Related to Strategic Planning and Budgeting* (4/14/2018).
38. Leadership in Higher Education Annual Conference, Baltimore, MD, 10/25/2017 - 10/29/2017.
39. APLU Annual Meeting, Washington DC, November 11 - 14, 2017.
40. Curriculum Workshop, Office of the Provost, Oklahoma State University, 8/25/2017.
41. Division 1A FAR Annual Meeting, Washington DC, 9/24/2017 - 9/26/2017.
42. OSU/A&M Board of Regents Legal Counsel Webinar (*Student Accommodations/ADA*), Presented by Brandee Hancock, 7/26/2017.
43. Performance Review Training Webinar (OSU/College of Human Sciences), 7/21/2017.
44. OSU/A&M Board of Regents Legal Counsel Webinar (*Title IX/Student Conduct Update*), Presented by Brandee Hancock, 7/7/2017.
45. OSU/A&M Board of Regents Legal Counsel Webinar (*Intellectual Property Overview*), Presented by John Price, 6/7/2017.
46. Academic Leadership Academy (OSU), September 2016 - April 2017.
47. Dealing with Difficult People Conflict Resolution Workshop, Fred Pryor Seminars, 9/1/2016.
48. Educator's Leadership Academy (Oklahoma), May 2016 - April 2017.
49. Professional Fundraising for Academic Leaders at OSU, 9/22/2015.
50. ITLE Faculty Talk Friday, Panel Member, 2/27/2015.
51. Big XII Teaching Conference, Stillwater, OK, 8/4/2014 - 8/5/2014.
52. Cultural Competence Inventory Self-Assessment, Dr. Lupita Fabregas, August 2014.
53. Family and Consumer Sciences Emerging Leaders Workshop, 7/27/2014 - 7/30/2014.
54. Dannon Institute Academic Mid-career Nutrition Leadership Institute, 7/15/2014 - 7/19/2014.
55. Magna Online Faculty Development Webinar, *How to integrate self-regulated learning into your courses*, 6/24/2014.
56. ITLE Faculty Development Workshop, *New York Times Lunch and Learn*, 3/26/2014.
57. OSU Difficult Dialogue Series, *Recruiting and Retaining Diverse Faculty, Staff, and Students*, 3/6/2014.
58. ITLE Faculty Talk Friday, Panel Member, 2/21/2014.

59. ITLE Faculty Development Workshop, *Fulbright Program Opportunities for University Faculty and Staff*, 10/17/2013.
60. ITLE Faculty Development Workshop, *Student Engagement, Student Success: Flipping the Classroom Effectively*, 10/15/2013.
61. OSU Difficult Dialogue Series, *Creating a safe space when moderating classroom discussion of controversial topics*, Dr. Sue C. Jacobs and Dr. Shelia Kennison, 10/13/2013.
62. ITLE Faculty Development Workshop, *Smart Board Training*, ITLE Staff, 10/10/2013.
63. ITLE Faculty Development Workshop, *Flipping Your Classroom*, Dr. Mark Taylor and ITLE Staff, 8/1/2013 – 8/2/2013.
64. ITLE Faculty Development Workshop, *D2L Upgrade Webinar*, Stacy Jones and ITLE Staff, 7/23/2013.
65. ITLE Faculty Fellows Workshop, *Effective Teaching in College Classrooms*, 7/17/2013 – 7/19/2013.
66. ITLE Faculty Development Workshop, *Diversity Series: Diversity and Individual Differences – Optimizing the Learning Environment*, Dr. Denni Blum and Sylvia Mac, 3/13/2013.
67. Leadership Matters: Conversations with the Provost, *An Open Letter to College and University Leaders: College Completion Must Be Our Priority*, 2/8/2013.
68. Leadership Matters: Conversations with the Provost, *For Poor, Leap into College Often Ends in a Hard Fall*, 1/11/2013.
69. Leadership Matters: Conversations with the Provost, *Texas A&M Launches Far-reaching Plan to Raise Retention and Graduation Rates*, 12/7/2012.
70. Leadership Matters: Conversations with the Provost, *The Importance of Noncognitive Skills: Lessons from the GED Testing Program and Opting Out of the 'Rug Rat Race' --- For success in the long run, brain power helps, but what our kids really need to learn is grit*, 11/9/2012.
71. Leadership Matters: Conversations with the Provost, *In Higher Ed, Online Learning is No Panacea and Why Online Education Won't Replace College-Yet*, 9/21/2012.
72. ITLE Faculty Development Workshop, *Introduction to the STAR System (Student Advising Software)*, 8/7/2012.
73. Leadership Matters: Conversations with the Provost, *The Bias Against Creativity: Why People Desire but Reject Creative Ideas*, 4/27/2012.
74. Leadership Matters: Conversations with the Provost, *Discussion of President Obama's Approaches to Addressing Tuition Increases*, 2/10/2012.
75. ITLE Faculty Development Workshop on Innovative Teaching Methods and Tools, *Social Networking, Blogs, Twitter, and Wikis (Susan Stansberry, College of Education)*, 1/6/2012.
76. Leadership Matters: Conversations with the Provost, *What do you expect a college graduate to know? What do you expect a college graduate to be like? (Dr. Steve Damron)*, 12/9/2011.
77. Leadership Matters: Conversations with the Provost, *The Difficulty of Promoting Reforms in Admissions Testing (Robert J. Sternberg)*, 11/11/2011.
78. ITLE Faculty Development Workshop, *Balancing, Tightroping, Kicking, and Screaming: A Journey in the Work/Life Mash-up*, Dr. Melanie Page, 10/25/2011.
79. Leadership Matters: Conversations with the Provost, *The Disadvantages of an Elite Education (by William Deresiewicz)*, 10/7/2011.
80. Pre-Medical Advisor Workshop, OSU College of Medicine, 8/26/2011.
81. College of Human Sciences Fall Advance, *Interdisciplinary Collaboration, Creativity, and Entrepreneurship*, 8/16/2011.
82. ITLE Faculty Development Workshop, *Using Play and Interactive Activities as Instruction*, Dr. Suzanne Burgoyne, 4/14/2011.
83. College of Human Sciences RPT Committee Workshop, *Annual CHES Reappointment, Promotion, and Tenure Discussion*, Dr. Robert J. Sternberg, 4/13/2011.

84. ITLE Faculty Development Workshop, *Teaching for Successful Intelligence*, Dr. Robert Sternberg, 4/12/2011.
85. ITLE Faculty Development Workshop, *Create, Innovate, and Educate: All at the Same Time! Creatively Engaging Students in the Classroom*, Drs. Amanda Harrist, Carol Johnson, Melanie Page, and David Thomas. 4/5/2011.
86. ITLE Faculty Development Workshop, *Preparing Online Instructors Learning Community Workshop*, 3/16/2011.
87. ITLE Faculty Development Workshop, *Teaching Students C.R.A.P. - Helping students select, evaluate and document resources*, 9/16/2010.
88. College of Human Sciences Fall 2010 Advance, *Engaged Global Citizenship: Tips and Opportunities for Human Sciences*, 8/17/2010.
89. Magna Online Seminar, *Practicing Learner-Centered Teaching in Large Classes*, Dr. Carol Hurney, 7/15/2010.
90. Advance OSU Seminar, *Pursuing a Career: Living Your Life - An Exploration of Opportunities to Integrate One's Career with One's Lifestyle*, Dr. Marlene Strathe, 4/20/2010.
91. ITLE Faculty Development Workshop, *OSU Research on the Effect of Programs on Cultural Awareness*, Dr. Lupita Fabregas and Ms. Anne Mahoney, 3/24/2010.
92. Oklahoma Distance Learning Association Fall Conference, *Interactive Online Learning*, OSU-Tulsa, 11/13/2009.
93. ITLE Conference on Advancing Strategies for Teaching and Learning Excellence, *Voices in the Classroom: Creative Teaching of Inclusion Beyond "D" Courses*, 10/2/2009.
94. OSU Pre-Medical Advisor Workshop, *Pre-Medical Advising for OSU Center for Health Sciences*, 7/10/2009.
95. ITLE Online Course Creation Workshop, *Online Course Creation and Implementation*, ITLE, OSU, 5/18/2009 - 5/22/2009.
96. Early Career Faculty Development Certificate, ITLE, May 2009.
97. ITLE Faculty Development/Certificate Series, *Instructional Design: Engaging Students through Infusing Higher Order Thinking Skills*, Dr. Shane Robinson, 4/30/2009.
98. ITLE Faculty Development/Certificate Series, *Creative Scholarship*, Dr. Paulette Hebert, 4/21/2009.
99. ITLE Faculty Development/Certificate Series, *Classroom Assessment*, Dr. Steve Damron, 1/1/2009.
100. ITLE Faculty Development Workshop Certificate, *Copyright Protection at OSU*, 3/26/2009.
101. ITLE Faculty Development/Certificate Series, *Advising as a Form of Instruction*, Dr. Melanie Page, 3/12/2009.
102. ITLE Faculty Development/Certificate Series, *Intellectual Property - Protecting Myself at OSU*, Dr. Victor Baeza, 3/4/2009.
103. ITLE Faculty Development Workshop/Certificate Series, *How Students Cheat Online and How to Prevent It*, Dr. Ron Payne, 2/19/2009.
104. ITLE Online Certificate Program, *Preparing Online Instructors - A six-week non-credit online course*, 2/16/2009 - 4/5/2009.
105. ITLE Faculty Development Workshop/Certificate Series, *Best Practices for Teaching Online*, Drs. Kathleen Kelsey and Hong Lin, 2/10/2009.
106. ITLE Faculty Development Workshop/Certificate Series, *Mentoring and How to be Mentored*, Dr. Bob Miller, 2/4/2009.
107. OSU Professional Development Workshop, *The Appreciative Advising Revolution*, Dr. Jennifer L. Bloom, 2/2/2009.
108. OSU Provost's Distance Education Development Course for 2009, *NSCI 5123 Proposal Developed and Submitted - Not funded*, 1/16/2009.

109. ITLE Faculty Development Workshop/Certificate Series, *Documenting my Accomplishments*, Dr. Thad Leffingwell, 11/19/2008.
110. ITLE Faculty Development Workshop, *Communication and Conversation: The Art of Listening in the Classroom and Everyday Life*, Drs. Tanya Finchum and Penny Cremeens, 10/29/2008.
111. ITLE Faculty Development Workshop/Certificate Series, *Assessment of Diversity as a Learning Goal*, Dr. Jon Comer, 10/17/2008.
112. ITLE Faculty Development Workshop/Certificate Series, *Faculty who have Succeeded at Various Places on the Continuum*, Panel Discussion, 9/24/2008.
113. College of Human Sciences Fall 2008 Retreat, *More Great Days – Finding the energy, motivation, and focus to accomplish more, live healthy, and still have a life*, Andy Core; *Energizing your organization with big hairy audacious goals*, Dr. Raja Basu, 8/12/2008.
114. ITLE Faculty Development Workshop, *Ensuring Advising Success (Webinar, NACADA)*, 4/17/2008.
115. ITLE Faculty Development Workshop, *Grading Students' Writing Assignments*, Dr. Becky Damron, 4/16/2008.
116. OSU Faculty Development Workshop, *Assessment of Students' Science Problem-solving Skills*, 3/28/2008.
117. ITLE Faculty Development Workshop, *Collaborating via Wiki*, Mark Jones, 3/26/2008.
118. OSU Faculty Development Workshop, *Assessment of Students' Critical-thinking Skills*, 2/29/2008.
119. OSU, Institute for Teaching and Learning Excellence (ITLE), (1) *Getting Started with Online Classroom and Managing Content* (2) *Online Classroom and Quizzes* and (3) *Respondus Quiz Tool and Lockdown Browser*, 8/28/2007 – 8/30/2007.
120. College of Human Sciences Fall Retreat, *Critical Thinking*, Dr. Richard Paul, 8/15/2007.

Assessment-related

1. College of Agriculture Sciences and Natural Resources Assessment Workshop, Facilitator: Linda Suskie, 2/10/2017.
2. Changing the Focus from Teaching to Learning: Understanding the Learner-Centered Paradigm and the Philosophical Foundations for Program Student Learning Outcomes Assessment, 9/14/2010.
3. General Education Assessment Spring Workshop, 3/26/2010.
4. General Education Assessment Spring Workshop, 2/24/2009.
5. Provost's Faculty Development Series on Science Reasoning, Fall 2008 – Spring 2009.
6. Graduate Student Oral Presentation Assessment – NSCI 6023, Fall, 2008 – Fall 2009.
7. Graduate Student Oral Presentation Assessment – NSCI 5960/6960, Fall 2008 – 2013.
8. Assessment of Diversity as a Learning Goal Workshop, 10/17/2008.
9. Faculty Workshop to Focus on Problem-Solving Skills, 4/28/2008.
10. Assessment of Critical Thinking Skills Workshop, 2/29/2008.

Research-related

1. RDNs @ OU Health, *Understanding the Fetal Origins of Obesity: Nutrition in the First 1000 Days*, Jacob (Jed) Friedman, Ph.D., 4/28/2021.
2. Nutrient Sensing and Metabolic Sensing FASEB Science Research Conference, Big Sky, MT, 8/10/2014 – 8/15/2014.
3. American Society for Bone and Mineral Research Annual Meeting, Minneapolis, MN, 10/12/2012 – 10/15/2012.
4. Trace Elements in Biology and Medicine FASEB Summer Research Conference, Steamboat Springs, CO, 6/10/2012 – 6/15/2012.

5. Oklahoma Skeletal Biology Symposium, Oklahoma Medical Research Foundation, Oklahoma City, OK, 5/21/2012.
6. American Society for Bone and Mineral Research Annual Meeting, San Diego, CA, 9/16/2011 – 9/20/2011.
7. Online Seminar, *Gene Network Central Tutorial*, Dr. George Quellhorst, SA Biosciences, 2/25/2011.
8. American Society for Nutrition-American Society for Bone and Mineral Research-Institute of Medicine Webinar, *Dietary Reference Intakes for Calcium and Vitamin D: IOM Report Highlights and Discussion about Research Needs and Applications*, 12/16/2011.
9. Amgen Continuing Education Seminar, *Prolia for the Treatment of Postmenopausal Osteoporosis in Women at High Risk for Fracture*, Ronald P. Painton, MD, Clinical Professor of Medicine, University of Oklahoma, 12/14/2010.
10. American Society for Bone and Mineral Research Annual Meeting: Making Connections in Bone Research, Toronto, Ontario, Canada, 10/15/2010 – 10/19/2010.
11. Molecular Biology and Pathology of Bone Working Group, ASBMR 2010, 10/18/2010.
12. MedIQ Symposium, *Translating Osteoporosis Research to Enduring Practice Change*, Michael McClung, John Bilezikian, Susan Greenspan, and Suzanne Jan de Beur, ASBMR 2010, 10/17/2010.
13. Nutrition and Bone Health Working Group, ASBMR 2010, 10/15/2010.
14. Principal Investigators Association Workshop, *Best Practices for Motivating Scientists*, Alice M. Sapienza, DBA, 9/23/2010.
15. Principal Investigators Association Workshop, *Powerful Lab Communication and Leadership*, Jennifer Alfonso, 8/31/2010.
16. American Society for Nutrition, *The Dietary Guidelines Advisory Committee Process Behind the Scenes: From Charter to Evidence to Advisory Report Recommendations*, 7/21/2010.
17. FASEB Summer Research Conference, Snowmass, CO, Trace Element Metabolism in Biology and Medicine, 6/13/2010 – 6/18/2010.
18. Gordon Research Conference, *Cell Biology of Metals*, Salve Regina University, Newport, RI, 9/9/2009 – 9/14/2009.
19. Oklahoma EPSCoR Workshop, *NSF Grants Workshop*, OSU, 5/21/2009.
20. Experimental Biology, 2009, *American Society for Nutrition Annual Meeting*, New Orleans, LA, 4/18/2009 – 4/22/2009.
21. FASEB Summer Research Conference, Snowmass, CO, *Trace Element Micronutrients: Integrating Basic and Applied Research*, 6/15/2008 – 6/20/2008.
22. Grantsmanship Workshop, *Preparing an OCAST OHR Grant*, Michelle McFarland, 1/31/2008.
23. Grantsmanship Seminar, *Writing Winning Grants*, Dr. Davis Morrison, 9/25/2007.

PROFESSIONAL AND SOCIETY MEMBERSHIPS

National

- Association of Nutrition Departments and Programs
- Academy of Nutrition and Dietetics
- American Society for Nutrition

State

- Oklahoma Academy of Nutrition and Dietetics

University

- Oklahoma Center for Respiratory and Infectious Diseases